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### IRIDESCENT VIRUS AND NOSEMA CERANAE LINKED TO HONEYBEE COLONY COLLAPSE DISORDER

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14. ABSTRACT A consistent marker for Colony Collapse Disorder (CCD) in the honeybee has been detected and identified by Mass Spectrometry based proteomics (MSP). The analysis of honeybees from commercial apiaries across the United States and from a research observation hive discovered an iridescent virus ( <i>Iridoviridae</i> , IIV) that was significantly discriminated among strong, failing, and collapsed honeybee colonies. A relationship between IIV and the Microsporidia <i>Nosema</i> was further discovered using the same techniques. This combination of IIV and <i>Nosema</i> that is the consistent marker of CCD. MSP proved to be a rapid, automated analysis method that features an unrestricted capability to detect and identify multiple pathogens in a single analysis.												
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## PREFACE

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# IRIDESCENT VIRUS AND *NOSEMA CERANAE* LINKED TO HONEYBEE COLONY COLLAPSE DISORDER (CCD)

## 1. INTRODUCTION

Historically, Colony Collapse Disorder (CCD) has been defined by its signs, which may vary with time of year and region (1). Whether the etiology of CCD in the United States is the same as observed in other countries remains unknown. Higes et al. concluded that in Spain, the microsporidian, *Nosema ceranae*, causes CCD, and reported that it could be cured by treatment with a fungicide (2). However, Cox-Foster et al. stated that *N. ceranae* did not contribute significantly to CCD in the United States. They observed through meta-genomic analyses that Israeli acute paralysis virus (IAPV) was a significant biomarker of the disorder (3) and was found in bees imported from Australia. Bee samples from our initial study in 2006-2007 had high titers of *N. ceranae*, and some contained an unspecified *Iflavirus* (4), which later proved to be IAPV.

These conflicting findings prompted us to broaden our survey of honeybee colonies by using a Mass Spectrometry based proteomic (MSP) approach to identify either potential causes or markers of CCD, and if possible, corroborate earlier findings. This MSP method was developed to allow a rapid survey and identification of peptides and corresponding proteins from virtually the entire available library of microbial, plant, insect, and vertebrate pathogens (5).

MSP allows a one-step method for the detecting and analyzing all of the most quantitatively abundant and structurally diverse macromolecules in the cell, without the need for amplification, probes, or primers. The greater abundance of cellular proteins and the larger diversity in the amino acid sequences, i.e., 400 combinations of amino acids, compared to 16 combinations of four nucleotides for genomics, enhances proteomic discrimination capabilities in identifying and classifying microorganisms to strain level (5). This provides both an effective complimentary alternative to gene-based approaches for pathogen screening and classification (6). Converging genome sequencing, automated acquisition of peptide fragmentation data by mass spectrometry, and bioinformatics allow peptide sequencing information to be obtained. Such information can be used to develop characterization strategies for unrestricted identification and taxonomic classification of microorganisms from the environment. This approach provides a means for fungi, bacteria, and viruses to be detected and classified, and for their phylogenetic relationships to be determined at the same time and from a single sample.

## 2. MATERIALS AND METHODS (7)

The proteomic approach uses an ensemble of bioinformatics tools for rapid classification and identification of microorganisms. The method is based on the peptide sequence generated from the Liquid Chromatography-Mass Spectrometry/Mass Spectrometry (LC-MS/MS) analysis of tryptic digests of microbial protein extracts and on profiling of the



sequenced peptides to create a matrix of sequence-to-microbe assignments. The binary matrix is populated by the experimental peptide information obtained using SEQUEST® (ThermoFisher Scientific, USA) search alignment algorithm that were processed using diverse visualization and multivariate statistical techniques for pathogen classification and identification (5,8). This proteomic approach is an automated process that reveals the match between analyzed peptides and the constructed proteome database of microorganisms (5). Sample preparation and analysis methods are detailed in following sections.

## 2.1 Worker Bee Samples

We obtained samples of adult worker honeybees from western, northeastern, and southeastern regions of the United States, focusing on commercial migratory beekeeping businesses that exhibited signs of CCD. In all, six different sample sets were taken. Two were from migratory beekeeping businesses, with one set of these moving between the East Coast and the Central Valley of California, and the other set moving between northern-tier states in the West and northern California. A third set was from packages of imported Australian bees soon after they were installed in hives on the East Coast. The fourth set of bees was sampled in 2008 from an apiary belonging to a large, 3000-colony, non-migratory beekeeping operation in northwestern Montana with no history of CCD. The fifth set was sampled from an apiary in Florida. The last set of samples came from research colonies at The University of Montana, Missoula. Bees were shaken directly into new, clean, 1 qt Ziploc® or 1 L Whirl-Pac® bags. The bags were sealed, placed in a cooler with frozen gel packs, and shipped by overnight express to the U.S. Army Edgewood Chemical and Biological Center (ECBC). Samples were frozen and stored in a -80 °C freezer until analyzed.

We discovered CCD in its early stages in our research colonies. We placed the combs, remaining queen, and bees from one collapsing colony into a five-frame, glass observation hive. This colony recovered rapidly, but in 2 months, began to collapse again. This allowed a unique opportunity to observe the progression of the syndrome, and to collect a series of samples as CCD progressed.

From each commercial apiary, we sampled one or more sets of bee colonies at different apiary locations. We scored each colony according to number of frames of bees and frames of brood. We then collected samples of bees from the strong (i.e., largest adult bee population), failing (reduced adult bee population with a disproportionate, excessive amount of brood for the adult population size), and collapsed colonies (queen and a small, half-frame retinue of young bees) within each apiary.

The collapsing research colony in the observation hive was sampled 16 times over a 3 month period when only a queen and four workers remained. We also collected forager flight activity records from a digital counter mounted on the observation colony. That data provided supplementary data for the number of foraging flights made and the number of foragers that returned each day.



## 2.2 Processing Protocols for Biological Samples

Bee samples were homogenized in 100 mM of ammonium acetate buffer using a tissue homogenizer (Waring or Kontes). The supernatant was filtered to remove large particulates, followed by ultrafiltration at 300 kDa. All filtered bee samples were lysed using an ultra-sonication probe at settings of 20 s pulse-ON, 5 s pulse-OFF, and 25% amplitude for 5 min. To verify cells were appropriately disrupted, a small portion of lysates was reserved for 1-D gel analysis. The lysates were centrifuged at 14,100g for 30 min to remove all cellular debris. Supernatant was then added to a Microcon YM-3 filter unit (Millipore, USA) and centrifuged at 14,100g for 30 min. Effluent was discarded, and the filtrate was denatured by adding 8 M urea and 3 mg/mL Dithiothreitol (DTT) and incubated for 2 h in an orbital shaker set to 50 °C and 60 rpm. A 10 µL volume of 100% acetonitrile (ACN) was added to tubes and allowed to sit at room temperature for 5 min. Tubes were washed using 100 mM ammonium bicarbonate (ABC) solution and then spun down at 14,100g for 30–40 min. The isolated proteins were then digested with 5 mL trypsin (Promega, USA) in 240 mL of ABC solution + 5 mL ACN. Digestion was performed overnight at 37 °C in an orbital shaker set to 60 rpm. Sixty microliters of 5% ACN/0.5% formic acid (FA) was added to each filter and vortex mixed lightly for 10 min. Tubes were centrifuged at 14,100g for 20–30 min. An additional 60 mL of 5% ACN/0.5% FA mixture was added to filter and spun. Effluent was then analyzed using the LC-MS/MS technique.

## 2.3 Protein Database and Database Search Engine

A protein database was constructed in a FASTA format using the annotated bacterial and viral proteome sequences derived from all fully sequenced chromosomes of bacteria and viruses, including their sequenced plasmids (as of September 2008). A PERL program (<http://www.activestate.com/Products/ActivePerl>) was written to download these sequences automatically from the National Institutes of Health National Center for Biotechnology (NCBI) site (<http://www.ncbi.nlm.nih.gov>). Each database protein sequence was supplemented with information about a source organism and a genomic position of the respective open reading frame (ORF) embedded into a header line. The database of bacterial proteomes was constructed by translating putative protein-coding genes and consists of tens of millions of amino acid sequences of potential tryptic peptides obtained by the *in silico* digestion of all proteins (assuming up to two missed cleavages). The protein database is listed in Appendix A.

The experimental MS/MS spectral data of bacterial peptides were searched using the SEQUEST® (ThermoFisher Scientific, USA) algorithm against a constructed proteome database of microorganisms. SEQUEST thresholds for searching the product ion mass spectra of peptides were Xcorr, deltaCn, Sp, RSp, and deltaMpep. These parameters provided a uniform matching score of all candidate peptides. The generated outfiles of these candidate peptides were then validated using peptide prophet algorithm.

Peptide sequences with a probability score of 95% and higher are retained in the dataset and used to generate a binary matrix of sequence-to-bacterium assignments. The binary matrix assignment is populated by matching the peptides with corresponding proteins in the



database and assigned a score of 0(no-match) or 1(match). The column in the binary matrix represents proteome of a given virus, and each row represents a tryptic peptide sequence from the LC-MS/MS analysis. Bee samples were identified with the virus/bacterium/fungi proteome based on the number of unique peptides that remained after removal of degenerate peptides from the binary matrix.

Proteomics identified peptides described from nine species of *Nosema*: *N. apis*, *N. bombycis*, *N. locustae* (also known as *Antonospora locustae*), *N. tricotylusiae*, *N. BZ-2006B*, *N. BZ-2006d*, *N. granulosis*, *N. empoasca*, *N. putellae*, and a tenth un-named *Nosema*. Total peptide counts for each species were entered into a hierarchical cluster analysis using average Chi-Squared distance between pathogen species. The analysis produced two major categories: Group 1, which contained *N. apis*, *N. bombycis*, and *N. locustae*; and Group 2, which contained all of the remaining species.

## 2.4 Data Mining and Statistical Methods

We performed forward, stepwise discriminant analysis on square-root transformed pathogen counts. Four colony groups were discriminated: strong, failing, collapsed, and the Montana outgroup. Selection method for variable entry was largest Wilks' lambda, and *a priori* equal probability of group membership was assumed. The analysis was completed after two steps that incorporated IIV-6 and deformed wing virus (DWV) as significant discriminating variables (Final Wilks' lambda = 0.679; F = 2.881; df1 = 2, 54; P = 0.031). For the analysis, counts were calculated by weighting each pathogen occurrence by the total number of its detected peptides. Our use of peptide counts as a weighting factor stems from the observation that as total pathogen titer in a sample increases, the number of different peptides that can be identified by proteomics increases in a predictable manner. Thus, the number of peptides observed for each pathogen serves as a relative measure of its abundance in the sample.

## 3. RESULTS

MSP analyses produced results of more than 3,000 identifiable peptides, representing more than 900 different species of invertebrate microbes. Because known bacterial infections of honeybees are well described, with visible signs that differ from CCD, we were able to focus our search to other microbes, including viruses, fungi, and microsporidia in the genus *Nosema*. This capability enabled us to discover and describe the relationship among the microorganisms present in the bees.

We identified peptides from nine of the approximately 20 known honeybee viruses in the strong, failing, and collapsed colonies that we surveyed. Six were identified in the collapsing observation hive (Table 1). The isolated, non-migratory Montana colonies that we included as an out-group were unique, being nearly virus free with a single colony having a low concentration of the Sacbrood virus (SBV).

Recently described (9) *Varroa destructor* virus 1 (VDV-1) occurred in two colonies. Peptides of Kakugo virus (10, 11), which has not previously been reported in North



American bees, were detected in two colonies from a single West Coast location. IAPV did not occur frequently, and was distributed equally among strong and failing colonies. It was more prevalent in colonies originating from the East Coast and Australia.

The most prevalent viral peptides we detected were identified with Invertebrate iridescent virus 6 (IIV-6), with some classified as Invertebrate iridescent virus 3 (IIV-3), both of which are large double-stranded DNA viruses of the *Iridoviridae* family. We detected 139 unique peptides in our west- and east-coast data that were attributed to IIV-6 with high confidence ( $\geq 0.99$ ). No other iridescent virus was detected. Later samples also indicated IIV-6 and the dominant iridescent virus in collapsing colonies (88% of iridescent peptides).

The IIV pathogen appeared with 100% frequency and with higher peptide counts in failing and collapsed colonies. IIV also occurred in nearly 75% of strong colonies although, with lower concentrations, and with low or absent *Nosema* peptides. Numerous peptides for *Nosema* were detected in collapsed and failing colonies. Ten species of *Nosema* were represented; but, because of high cross correlations among the different peptides within the genus, we elected to aggregate them based on cluster analysis into two distinct groupings as previously stated.

Using those groupings, we observed that one group of *Nosema* peptides paralleled the pattern of occurrence for IIV virus ( $r = 0.90$ ,  $n = 31$ ,  $P < 0.001$ ) and was present at high frequency in failing and collapsed colonies (Table 1). Other suggestive correlations in other microbes included the occurrence of Black queen cell virus (BQCV) and IIV virus ( $r = 0.71$ ,  $P < 0.001$ ), and concordantly the same *Nosema* group ( $r = 0.73$ ,  $P < 0.001$ ). The complete raw data analyses are listed by sample in Appendix B

Count-weighted occurrence data were subjected to stepwise discriminant function analysis to assess whether strong, failing, or collapsed colonies could be differentiated by specific patterns of pathogen occurrence. The isolated Montana apiary was used as a distinct, non-CCD, out-group for this analysis.

Discriminant analysis indicated that only two pathogens, IIV-like virus and DWV, were necessary for significant discrimination among different colony groups (Table 2). The leading function contrasted higher incidence of IIV virus in failing colonies with higher incidence of DWV in the remaining groups (Figure 1). As expected, the out-group was most distinct and significantly different from all but the strong condition colonies (Pout - strong = 0.06; Pout - failing < 0.001; Pout - collapsed = 0.04). *Nosema* was not a significant predictor of colony condition; but, *Nosema* group 1 was highly correlated with IIV virus ( $r = 0.901$ ,  $P < 0.001$ ), and so was not included in the final discriminant functions because of its co-correlation with the IIV virus.

As a final step to assess the validity of the discriminant model, we generated classification functions for each colony health category then reclassified each colony as either out-group, strong, failing, or collapsed - independent of its original designation. The resulting probabilities mirrored the discriminant function analysis. The out-group was perfectly classified as not exhibiting CCD.



For the research colony, as CCD progressed, colony flight activity was recorded and exhibited several peaks and crashes until it declined by approximate geometric decay to extinction (Figure 2). Of the six RNA bee viruses most frequently identified by proteomics, most occurred in only one or a few samples, with little correlation to the progression of collapse (Table 3). However, iridoviruses occurred through most of the collapse and were significantly negatively correlated with population trajectory ( $r = -0.57$ ,  $P = 0.02$ ). No other correlations were made with the collapse of this research colony.

#### 4. DISCUSSION

Invertebrate iridescent viruses (IIVs) are icosahedral, double-stranded DNA viruses. Of the many isolates reported from insects, only two, IIV-3 and IIV-6 (12-14), have been subjected to complete genome sequencing (24) and have been partially characterized (12). IIVs are numbered according to date of isolation (15). These viruses produce opalescent colors in the organs of heavily infested hosts, particularly in insects in either damp or aquatic habitats, and have been shown to alter growth, longevity, and reproduction, and to induce cell apoptosis (12, 16-18). In silkworms, IIV-1 can induce epidermal tumors (19).

Patent IIV infections are almost invariably lethal but covert infections may be common (12). Unapparent infections may not be lethal, but may induce sub-lethal effects on the reproduction and longevity of covertly infected hosts (16). IIV-3 is thought to be restricted to a single host species, the mosquito (12, 14), although we found peptides close to those of IIV-3 in bees from the observation hive. Other IIVs, like IIV-6, naturally infect various species of *Lepidoptera* and *Orthoptera* in laboratory colonies. There is good evidence that *Hymenopteran endoparasitoids* can become infected if they develop in an infected caterpillar (20). IIV-24, originally isolated from the Asiatic honeybee *Apis cerana*, is known to affect bee colonies severely, causing inactivity, crawling, and clustering disease (21-23).

Our discriminant analysis and classification functions showed that failing colonies were significantly different from strong and from collapsed colonies based on prevalence of IIV peptides (Table 1, Figure 1). In commercial bee operations with CCD and in the research colony, the bees exhibited IIV-like virus in high abundance, strengthening the conclusion that in failing colonies, an IIV-like pathogen is indicative of CCD. Whether the IIV peptides we detected in CCD colonies are truly indicative of IIV-6, IIV-3, or are from some unreported IIV is unknown and is the subject of ongoing research.

In addition to IIVs, MS-based proteomics identified peptides of two heretofore unreported RNA bee viruses in U.S. honeybees, VDV-1 (9) and Kakugo virus, although frequency of detection was relatively rare. Peptides from nine bee RNA viruses were found; but, other than the presence IIV-like DNA, only the co-occurring absence of deformed wing virus, another RNA virus, was significant with respect to CCD.

In India, an iridescent virus, (IIV-24) was associated with severe bee mortality, and the transmission of the virus was suspected to occur via eggs, feces, or gland secretions in



food, and by one or more species of mites that may act as vectors (21-23). They also associated and correlated the IIV-24 with a co-infective *Nosema* and tracheal mites in sick colonies of *Apis cerana*. Iridescent viruses have also been implicated in severe bee losses in the U.S. (25) and Spain (26).

The high correlation of *Nosema* and the IIV virus that we observed in CCD colonies also suggests that these two pathogens may act as co-infective agents linked to CCD. That strong and collapsed colonies were more similar to each other and different from failing colonies seems to indicate that the IIV/*Nosema* infection is active in failing colonies. This observation suggests that mortality can be controlled if the IIV/*Nosema* relationship is disrupted by treating for either the IIV or the *Nosema* infections.

*Apis* iridescent virus was also isolated from sick adult specimens of *Apis cerana* and found to multiply in *Apis mellifera*, forming cytoplasmic iridescent crystalline aggregates in the fat body, hypopharyngeal glands, the gut wall, and proximal ends of the Malpighian tubules (21).

One or more species of external mites were suspected of being carriers of the IIV in Indian bees (22), as was also the case in the United States, with *Varroa* acting as the vector (25). The need for a better knowledge of the ecology of iridescent virus has been emphasized in order that preventive measures could be taken to not only offset damage to *Apis cerana* but also to reduce the chance that *Apis mellifera* could become infected by this pathogen (22).

These historical findings of IIV, mites, and *Nosema* spp. are intriguing since researchers studying *Nosema ceranae* and CCD in Spain saw iridescent virus particles when looking at bee samples under an electron microscope (26). U.S. investigators studying CCD observed structures in thoraxes of bees described as 'peculiar white nodules', resembling tumors, that contained crystalline arrays (27), similar to those described for IIV infections. In addition, the IIV-6 genome encodes for one or more polypeptides that can produce insect mortality by inducing apoptosis without the need for viral replication (28).

## 5. CONCLUSIONS

Mass Spectrometry based proteomics provided an unrestricted and unbiased approach for surveying pathogens and detected a DNA virus and two RNA viruses that had not been previously reported. The correlation of Invertebrate iridescent viruses (IIVs) with Colony Collapse Disorder (CCD) probably went unnoticed because these are large DNA viruses, not the small RNA viruses commonly considered to be the cause of most bee diseases. Genomic studies focused on RNA viruses would have missed a DNA virus.

The correlation between IIV and *Nosema ceranae* (*N. ceranae*) implies that one follows the other. Co-infection with IIV might explain why *N. ceranae* sometimes seems to contribute to severe colony losses, and sometimes not, as reported by researchers and beekeepers (3 - 4).



Regardless of whether the prevalence of IIV is a marker, a cause, or simply a consequence of CCD, it provides a good fit with what is known about the disorder. Virtually all of the bees from CCD colonies contained IIVs; whereas, IIV was present neither in bees imported from Australia nor in bees from the non-migratory, commercial bee operation in Montana. Neither the Australians (28) nor the Montana beekeepers have ever reported seeing CCD. Because covert infections are typical of IIVs (12, 16), detection of IIV in strong colonies and in the remnant young bee populations of collapsed colonies is to be expected. Large amounts of IIV in failing colonies is consistent with an infection that proliferates in bees to a state that is lethal but not necessarily to a degree where it is evident in the iridescence of infected bee tissues. IIV in the presence of *N. ceranae* could conceivably be a lethal combination.

Approximately 30 years ago, other investigators concluded that the iridescent virus was the likely cause of widespread and severe losses of 25-40% of honeybee colonies in India (21-23), and that the iridescent virus was often correlated with *Nosema* and mites (23). Thirteen years ago, iridescent virus, with *Varroa* mites acting as a virus activator, was implicated in unusually high losses of bees in the northeastern United States (25). Yet, until MS-based proteomic methods revealed the presence of IIVs in CCD colonies in the United States, these cases and warnings were mostly forgotten.

Finally, the suspected source of *Nosema ceranae* is the Asian bee *Apis cerana* (29). This bee is also known to be infected by Thai SBV and the Kashmir bee viruses, which was first detected as a contaminant in a sample of iridescent virus from India, as well as an *Apis* iridescent virus. This suggests that perhaps not only the microsporidium *N. ceranae*, but other pathogens as well may have jumped from *Apis cerana* to *Apis mellifera*, as predicted by Bailey and Ball in 1978 (22).

Our research aimed to identify potential causes or markers of CCD and to see if we could corroborate any of the conflicting findings from prior studies. We found that CCD is marked by the presence of an IIV virus that was positively correlated with *Nosema*. These results provide credibility to disparate findings of older, often overlooked work by other investigators, who have associated IIV with bees, mites, *Nosema* spp., and bee losses. We have established that the IIV/*Nosema* relationship is the critical association in honeybee mortality and may indicate a solution. It is clear that one solution to improved honeybee health is to disrupt the IIV/*Nosema* relationship.



Table 1. Frequency of occurrence of viral pathogens and *Nosema* in colonies sampled in 2006, 2007, and 2008

	East Coast – West Coast Colonies, 2006						Observation Colony, 2007	Florida Colonies, 2008		
	Collapsed n = 8		Failing n = 10		Strong n = 13		Subsamples n = 18	n = 9		
Pathogen	Frequency	Mean Peptides (s.d.)	Frequency	Mean Peptides (s.d.)	Frequency	Mean Peptides (s.d.)	Frequency	Mean Peptides (s.d.)	Frequency	Mean Peptides (s.d.)
ABPV	2	0.3 (0.46)	5	1.5 (2.07)	5	0.9 (1.28)	13	1.3 (1.28)	7	11.6 (12.4)
BQCV	2	0.4 (0.74)	6	1.4 (1.8)	3	0.8 (1.54)	4	0.3 (0.57)	7	1.9 (1.5)
DWV	3	0.8 (1.4)	1	0.2 (0.6)	6	0.6 (0.8)	4	0.6 (1.38)	7	15.9 (20.1)
IIV-6	8	20.9 (28.2)	10	38.0 (39.6)	9	15.6 (22.4)	18	16.1 (12.74)	9	57.6 (23.6)
IAPV	1	0.3 (0.7)	4	1.4 (2.3)	5	0.8 (1.3)	11	0.9 (0.96)	5	2.4 (2.8)
KV	0	0 (0)	0	0 (0)	3	0.3 (.08)	3	0.2 (0.55)	2	0.3 (.04)
KBV	3	0.2 (3.2)	6	1.9 (2.1)	9	1.0 (0.9)	1	1.0 (1.28)	6	3.6 (5.0)
SV	2	0.9 (1.6)	4	0.9 (1.4)	6	1.2 (2.3)	11	1.3 (1.36)	6	3.8 (7.0)
VDV-1	0	0 (0)	1	0.2 (0.6)	1	0.2 (0.6)	4	0.4 (1.04)	5	1.3 (1.6)
<i>Nosema</i> group 1	5	6.4 (9.1)	9	11.4 (9.6)	7	5.2 (7.7)	18	8.7 (5.74)	9	35.2 (15.3)
<i>Nosema</i> group 2	3	0.8 (1.4)	3	0.7 (1.3)	3	0.2 (0.4)	11	1.0 (0.97)	0	0 (0)

ABPV - Acute Bee Paralysis Virus

KBV - Kashmir Bee Virus



Table 2. Summary of discriminant function analysis for pathogen differences among honeybee colonies grouped by CCD status.

a. Cumulative variance, significance, and coefficients for derived discriminant functions.

b. Pooled within-groups correlations between discriminating variables and standardized canonical discriminant functions. Variables are ordered by absolute size of correlation within function.

(a.)								Standardized Function Coefficients	
Function	Eigenvalue	Var. %	Cum. %	Canonical Correlation	Chi-square	df	P	IIV-6	DFW
1	0.68	80.6	80.6	0.64	22.8	6	0.001	1.17	-0.65
2	0.16	19.4	100.0	0.38	5.2	2	0.076	0.05	0.98

(b.) Structure Matrix		
Pathogen	Function	
	1	2
IIV-6	0.83*	0.55
<i>Nosema</i> group 1	0.68*	0.60
<i>Nosema</i> group 2	0.60*	0.34
BQCV	0.59*	0.53
ABPV	0.51*	0.09
IAPV	-0.13*	-0.02
DWV	-0.04	0.99*
SV	0.15	0.60*
KBV	0.40	0.49*

\*indicates largest absolute correlation between each variable and any discriminant function



Table 3. Correlations among viruses and population decline of a research colony of bees in an observation hive during collapse that occurred between July and September 2007.

		ABPV	BQCV	IIV-3	IIV-6	KBV	SV	Iridescent viruses taken together	IAPV
Bee Flights 7/12 – 9/1	<i>r</i>	-0.19	-0.21	-0.47	-0.50	-0.24	0.22	-0.57	0.28
	<i>P</i>	0.49	0.44	0.07	0.05	0.37	0.42	0.02	0.30
ABPV	<i>r</i>		-0.28	0.22	0.74	-0.16	0.23	0.73	-0.16
	<i>P</i>		0.29	0.42	0.001	0.55	0.38	0.002	0.55
BQCV	<i>r</i>			0.09	-0.18	-0.12	-0.22	-0.14	-0.12
	<i>P</i>			0.73	0.52	0.67	0.42	0.61	0.67
IIV-3	<i>r</i>				0.25	0.16	0.03	0.47	0.16
	<i>P</i>				0.36	0.55	0.90	0.07	0.55
IIV-6	<i>r</i>					0.19	0.13	0.97	-0.28
	<i>P</i>					0.49	0.62	0.000	0.30
KBV	<i>r</i>						-0.12	0.21	-0.07
	<i>P</i>						0.65	0.43	0.81
SV	<i>r</i>							0.13	-0.12
	<i>P</i>							0.63	0.65
Iridescent viruses	<i>r</i>								-0.21
	<i>P</i>								0.43



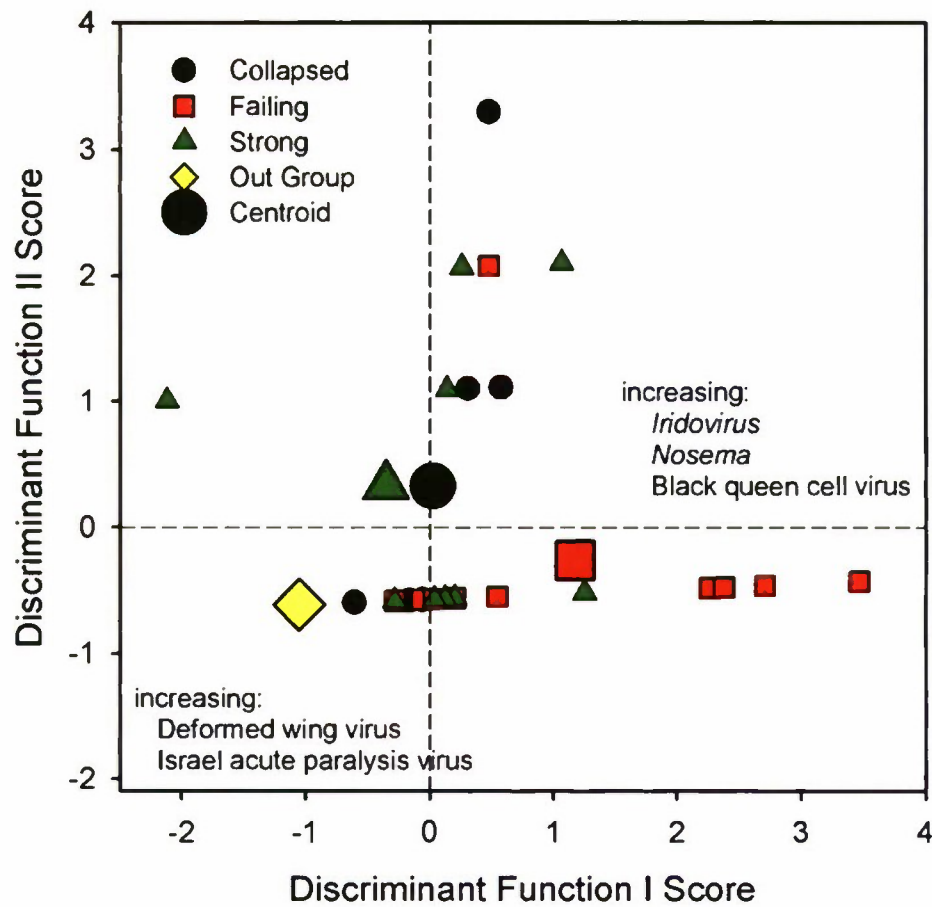


Figure 1. Discriminant Function Analysis for differences in pathogen peptide counts among strong, failing, and collapsed honeybee colonies. Function 1 explains 81% of discriminating variance and contrasts higher incidence of IIV-like virus, *Nosema*, and to a lesser extent BQCV in failing colonies with higher incidence of DWV and some IAPV in the remaining groups. Vertical and horizontal lines mark the non-CCD out-group as a reference set.



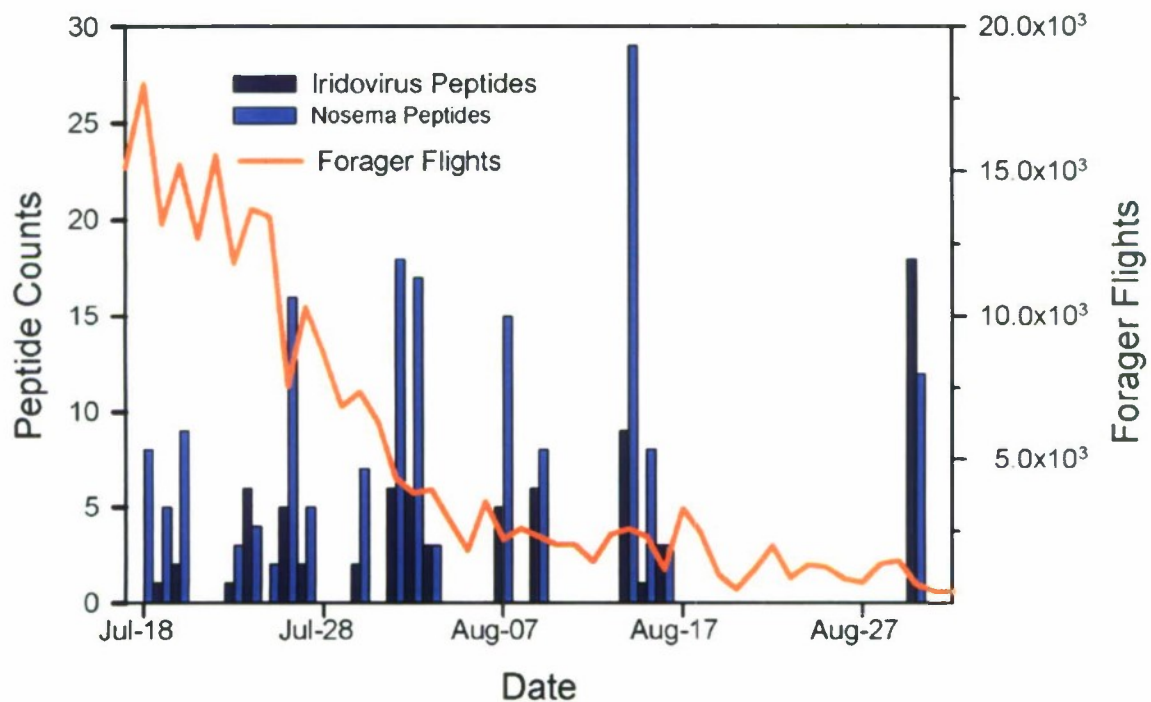


Figure 2. Decline in forager flights in conjunction with increasing counts of *Iridovirus* peptides detected in worker honeybee samples collected on successive dates in 2007. All samples were from a single observation hive at the University of Montana - Missoula. Forager flights were tabulated by an automated honeybee counter mounted at the entrance to the observation hive. Peptide counts are the summed counts for all unique *Iridovirus* peptides in each sample.



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# APPENDIX A

## VIRUS FASTA DATABASE

>ABPV 14626557 gb ABQ16543.1  nonstructural protein [Acute bee paralysis virus]
>ABPV 91068354 gb ABE04079.1  polyprotein [Acute bee paralysis virus]
>ABPV 10314011 ref NP_066242.1  capsid protein [acute bee paralysis virus]
>ABPV 10314010 ref NP_066241.1  replicase polyprotein [acute bee paralysis virus]
>ABPV 54306434 gb AAV33404.1  capsid protein [Acute bee paralysis virus]
>ABPV 51831798 gb AAU10100.1  nonstructural protein [Acute bee paralysis virus]
>ABPV 19068046 gb AAL05919.1  capsid polyprotein [Acute bee paralysis virus]
>ABPV 33413848 gb AAO43637.1  structural protein [Acute bee paralysis virus]
>ABPV 29469889 gb AAO74623.1  capsid protein [Acute bee paralysis virus]
>ABPV 29469886 gb AAO74622.1  capsid protein [Acute bee paralysis virus]
>ABPV 14276319 gb AAK58199.1  structural protein [acute bee paralysis virus]
>ABPV 14276317 gb AAK58198.1  structural protein [acute bee paralysis virus]
>ABPV 14276315 gb AAK58197.1  structural protein [acute bee paralysis virus]
>ABPV 14276313 gb AAK58196.1  structural protein [acute bee paralysis virus]
>ABPV 14276311 gb AAK58195.1  structural protein [acute bee paralysis virus]
>ABPV 14276307 gb AAK58194.1  structural protein [acute bee paralysis virus]
>ABPV 14276305 gb AAK58193.1  structural protein [acute bee paralysis virus]
>ABPV 14276303 gb AAK58192.1  structural protein [acute bee paralysis virus]
>ABPV 14276301 gb AAK58191.1  structural protein [acute bee paralysis virus]
>ABPV 14276283 gb AAK58182.1  structural protein [acute bee paralysis virus]
>ABPV 19068070 gb AAL05931.1  capsid protein [acute bee paralysis virus]
>ABPV 19068068 gb AAL05930.1  capsid protein [acute bee paralysis virus]
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>ABPV 13194762 gb AAK15543.1  capsid protein [acute bee paralysis virus]
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>BQCV 86372203 gb ABC95162.1  structural polyprotein [Black queen cell virus]
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>BQCV 48527188 gb AAT45734.1  structural polyprotein [Black queen cell virus]
>BQCV 33413910 gb AAP58354.1  RNA-dependant RNA polymerase RdRp [Black queen cell virus]
>BQCV 21745453 gb AAM77396.1 AF521640.1 structural polyprotein [black queen cell virus]
>BQCV 4680609 gb AAD27696.1  helicase domain C [black queen cell virus]
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>KBV 73747921 ref YP_308662.1  VP2 [Kashmir bee virus]
>KBV 73747920 ref YP_308661.1  VP4 [Kashmir bee virus]
>KBV 73747919 ref YP_308660.1  VP1 [Kashmir bee virus]



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>KBV 6466886 gb AAD02684.2  RNA polymerase [Kashmir bee virus]
>KBV 6466884 gb AAD48146.2  RNA polymerase [Kashmir bee virus]
>KBV 6466880 gb AAD01993.2  RNA polymerase [Kashmir bee virus]
>KBV 6466878 gb AAD01992.2  RNA polymerase [Kashmir bee virus]
>KBV 6466876 gb AAD01811.2  RNA polymerase [Kashmir bee virus]
>IAPV 126010926 ref YP_001040002.1  polymerase polyprotein [Israel acute paralysis virus of bees]
>IAPV 126010925 ref YP_001040003.1  structural polyprotein [Israel acute paralysis virus of bees]
>IAPV 125630292 gb AAV64179.2  polymerase polyprotein [Israel acute paralysis virus of bees]
>IAPV 124494153 gb ABN13120.1  structural polyprotein [Israel acute paralysis virus of bees]
>SV 146265575 gb ABQ16542.1  polyprotein [Sacbrood virus]
>SV 91068358 gb ABE04081.1  polyprotein [Sacbrood virus]
>SV 86372205 gb ABC95163.1  polyprotein [Sacbrood virus]
>SV 9632406 ref NP_049374.1  polyprotein [Sacbrood virus]
>SV 51831792 gb AAU10097.1  nonstructural protein [Sacbrood virus]
>SV 51831790 gb AAU10096.1  nonstructural protein [Sacbrood virus]
>SV 48527190 gb AAT45735.1  structural polyprotein [Sacbrood virus]
>SV 33413890 gb AAO43635.1  polyprotein [Sacbrood virus]







>SV 13241330 gb AAK16258.1  polyprotein [sacbrood virus]
>SV 13241328 gb AAK16257.1  polyprotein [sacbrood virus]
>SV 13241326 gb AAK16256.1  polyprotein [sacbrood virus]
>SV 13241324 gb AAK16255.1  polyprotein [sacbrood virus]
>SV 13241322 gb AAK16254.1  polyprotein [sacbrood virus]
>SV 13241320 gb AAK16253.1  polyprotein [sacbrood virus]
>SV 13241318 gb AAK16252.1  polyprotein [sacbrood virus]
>SV 13241316 gb AAK16251.1  polyprotein [sacbrood virus]
>SV 13241314 gb AAK16250.1  polyprotein [sacbrood virus]
>SV 4416207 gb AAD20260.1  polyprotein [sacbrood virus]
>SV 8705231 gb AAF78779.1  structural protein Vp1 [sacbrood virus]
>CBPV 146265579 gb ABQ16544.1  RNA-dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 54306459 gb AAV33405.1  RNA-dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326023 gb AAM47572.1 AF461061_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326021 gb AAM47571.1 AF461060_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326019 gb AAM47570.1 AF461059_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326017 gb AAM47569.1 AF461058_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326015 gb AAM47568.1 AF461057_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326013 gb AAM47567.1 AF461056_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326011 gb AAM47566.1 AF461055_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326009 gb AAM47565.1 AF461054_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21326007 gb AAM47564.1 AF461053_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CBPV 21309905 gb AAM46093.1 AF375659_1 putative RNA dependent RNA polymerase [Chronic bee paralysis virus]
>CWV 6646671 gb AAD01994.2  RNA polymerase [cloudy wing virus]
>MSCUT 148613135 gb ABQ96192.1  vasa [Melipona scutellaris]
>Kakugo 47177089 ref YP_015696.1  polyprotein [Kakugo virus]
>IIV6 15079181 ref NP_149635.1  172L [Invertebrate indescient virus 6]
>IIV6 15079091 ref NP_149843.1  380R [Invertebrate indescient virus 6]
>IIV6 15079089 ref NP_149841.1  378R [Invertebrate indescient virus 6]
>IIV6 15078986 ref NP_149737.1  274L [Invertebrate indescient virus 6]
>IIV6 15078944 ref NP_149695.1  232R [Invertebrate indescient virus 6]
>IIV6 15079180 ref NP_149820.1  357R [Invertebrate indescient virus 6]
>IIV6 15079179 ref NP_149463.1  468L [Invertebrate indescient virus 6]
>IIV6 15079178 ref NP_149930.1  467R [Invertebrate indescient virus 6]
>IIV6 15079177 ref NP_149929.1  466R [Invertebrate indescient virus 6]
>IIV6 15079176 ref NP_149928.1  465R [Invertebrate indescient virus 6]
>IIV6 15079175 ref NP_149927.1  464R [Invertebrate indescient virus 6]
>IIV6 15079174 ref NP_149926.1  463L [Invertebrate indescient virus 6]
>IIV6 15079173 ref NP_149925.1  462R [Invertebrate indescient virus 6]
>IIV6 15079172 ref NP_149924.1  461R [Invertebrate indescient virus 6]
>IIV6 15079171 ref NP_149923.1  460R [Invertebrate indescient virus 6]
>IIV6 15079170 ref NP_149922.1  459L [Invertebrate indescient virus 6]
>IIV6 15079169 ref NP_149921.1  458R [Invertebrate indescient virus 6]
>IIV6 15079168 ref NP_149920.1  457L [Invertebrate indescient virus 6]
>IIV6 15079167 ref NP_149919.1  456R [Invertebrate indescient virus 6]
>IIV6 15079166 ref NP_149918.1  455L [Invertebrate indescient virus 6]
>IIV6 15079165 ref NP_149917.1  454R [Invertebrate indescient virus 6]
>IIV6 15079164 ref NP_149916.1  453L [Invertebrate indescient virus 6]
>IIV6 15079163 ref NP_149915.1  452R [Invertebrate indescient virus 6]
>IIV6 15079162 ref NP_149914.1  451L [Invertebrate indescient virus 6]
>IIV6 15079161 ref NP_149913.1  450L [Invertebrate indescient virus 6]
>IIV6 15079160 ref NP_149912.1  449L [Invertebrate indescient virus 6]
>IIV6 15079159 ref NP_149911.1  448L [Invertebrate indescient virus 6]
>IIV6 15079158 ref NP_149910.1  447L [Invertebrate indescient virus 6]
>IIV6 15079157 ref NP_149909.1  446L [Invertebrate indescient virus 6]
>IIV6 15079156 ref NP_149908.1  445L [Invertebrate indescient virus 6]
>IIV6 15079155 ref NP_149907.1  444R [Invertebrate indescient virus 6]
>IIV6 15079154 ref NP_149906.1  443R [Invertebrate indescient virus 6]
>IIV6 15079153 ref NP_149905.1  442L [Invertebrate indescient virus 6]
>IIV6 15079152 ref NP_149904.1  441R [Invertebrate indescient virus 6]
>IIV6 15079151 ref NP_149903.1  440R [Invertebrate indescient virus 6]
>IIV6 15079150 ref NP_149902.1  439L [Invertebrate indescient virus 6]
>IIV6 15079149 ref NP_149901.1  438L [Invertebrate indescient virus 6]
>IIV6 15079148 ref NP_149900.1  437L [Invertebrate indescient virus 6]
>IIV6 15079147 ref NP_149899.1  436R [Invertebrate indescient virus 6]
>IIV6 15079146 ref NP_149898.1  435R [Invertebrate indescient virus 6]
>IIV6 15079145 ref NP_149897.1  434L [Invertebrate indescient virus 6]
>IIV6 15079144 ref NP_149896.1  433R [Invertebrate indescient virus 6]
>IIV6 15079143 ref NP_149895.1  432R [Invertebrate indescient virus 6]
>IIV6 15079142 ref NP_149894.1  431L [Invertebrate indescient virus 6]
>IIV6 15079141 ref NP_149893.1  430R [Invertebrate indescient virus 6]
>IIV6 15079140 ref NP_149892.1  429R [Invertebrate indescient virus 6]
>IIV6 15079139 ref NP_149891.1  428L [Invertebrate indescient virus 6]
>IIV6 15079138 ref NP_149890.1  427R [Invertebrate indescient virus 6]























>IIV6 15078763 ref NP_149513.1  050L [Invertebrate iridescent virus 6]
>IIV6 15078762 ref NP_149512.1  049L [Invertebrate iridescent virus 6]
>IIV6 15078761 ref NP_149511.1  048R [Invertebrate iridescent virus 6]
>IIV6 15078760 ref NP_149510.1  047R [Invertebrate iridescent virus 6]
>IIV6 15078759 ref NP_149509.1  046R [Invertebrate iridescent virus 6]
>IIV6 15078758 ref NP_149508.1  045L [Invertebrate iridescent virus 6]
>IIV6 15078757 ref NP_149507.1  044R [Invertebrate iridescent virus 6]
>IIV6 15078756 ref NP_149506.1  043L [Invertebrate iridescent virus 6]
>IIV6 15078755 ref NP_149505.1  042R [Invertebrate iridescent virus 6]
>IIV6 15078754 ref NP_149504.1  041L [Invertebrate iridescent virus 6]
>IIV6 15078753 ref NP_149503.1  040R [Invertebrate iridescent virus 6]
>IIV6 15078752 ref NP_149502.1  039R [Invertebrate iridescent virus 6]
>IIV6 15078751 ref NP_149501.1  038R [Invertebrate iridescent virus 6]
>IIV6 15078750 ref NP_149500.1  037L [Invertebrate iridescent virus 6]
>IIV6 15078749 ref NP_149499.1  036R [Invertebrate iridescent virus 6]
>IIV6 15078748 ref NP_149498.1  035L [Invertebrate iridescent virus 6]
>IIV6 15078747 ref NP_149497.1  034R [Invertebrate iridescent virus 6]
>IIV6 15078746 ref NP_149496.1  033L [Invertebrate iridescent virus 6]
>IIV6 15078745 ref NP_149495.1  032R [Invertebrate iridescent virus 6]
>IIV6 15078744 ref NP_149494.1  031R [Invertebrate iridescent virus 6]
>IIV6 15078743 ref NP_149493.1  030L [Invertebrate iridescent virus 6]
>IIV6 15078742 ref NP_149492.1  029R [Invertebrate iridescent virus 6]
>IIV6 15078741 ref NP_149491.1  028L [Invertebrate iridescent virus 6]
>IIV6 15078740 ref NP_149490.1  027L [Invertebrate iridescent virus 6]
>IIV6 15078739 ref NP_149489.1  026R [Invertebrate iridescent virus 6]
>IIV6 15078738 ref NP_149488.1  025R [Invertebrate iridescent virus 6]
>IIV6 15078737 ref NP_149487.1  024L [Invertebrate iridescent virus 6]
>IIV6 15078736 ref NP_149486.1  023L [Invertebrate iridescent virus 6]
>IIV6 15078735 ref NP_149485.1  022L [Invertebrate iridescent virus 6]
>IIV6 15078734 ref NP_149484.1  021R [Invertebrate iridescent virus 6]
>IIV6 15078733 ref NP_149483.1  020L [Invertebrate iridescent virus 6]
>IIV6 15078732 ref NP_149482.1  019R [Invertebrate iridescent virus 6]
>IIV6 15078731 ref NP_149481.1  018R [Invertebrate iridescent virus 6]
>IIV6 15078730 ref NP_149480.1  017R [Invertebrate iridescent virus 6]
>IIV6 15078729 ref NP_149479.1  016L [Invertebrate iridescent virus 6]
>IIV6 15078728 ref NP_149478.1  015R [Invertebrate iridescent virus 6]
>IIV6 15078727 ref NP_149477.1  014R [Invertebrate iridescent virus 6]
>IIV6 15078726 ref NP_149476.1  013R [Invertebrate iridescent virus 6]
>IIV6 15078725 ref NP_149475.1  012L [Invertebrate iridescent virus 6]
>IIV6 15078724 ref NP_149474.1  011L [Invertebrate iridescent virus 6]
>IIV6 15078723 ref NP_149473.1  010R [Invertebrate iridescent virus 6]
>IIV6 15078722 ref NP_149472.1  009R [Invertebrate iridescent virus 6]
>IIV6 15078721 ref NP_149471.1  008R [Invertebrate iridescent virus 6]
>IIV6 15078720 ref NP_149465.1  002R [Invertebrate iridescent virus 6]
>IIV6 15078719 ref NP_149470.1  007R [Invertebrate iridescent virus 6]
>IIV6 15078718 ref NP_149469.1  006L [Invertebrate iridescent virus 6]
>IIV6 15078717 ref NP_149468.1  005R [Invertebrate iridescent virus 6]
>IIV6 15078716 ref NP_149467.1  004R [Invertebrate iridescent virus 6]
>IIV6 15078715 ref NP_149466.1  003R [Invertebrate iridescent virus 6]
>IIV6 15078714 ref NP_149464.1  001R [Invertebrate iridescent virus 6]
>Nosema 157382928 gb ABV48899.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 163955596 gb ABY49796.1  hypothetical spore wall protein 14 [Nosema bombycis]
>Nosema 163955594 gb ABY49795.1  hypothetical spore wall protein 13 [Nosema bombycis]
>Nosema 157382930 gb ABV48900.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382926 gb ABV48898.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382924 gb ABV48897.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382922 gb ABV48896.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382920 gb ABV48895.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382918 gb ABV48894.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382916 gb ABV48893.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382914 gb ABV48892.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382912 gb ABV48891.1  spore wall protein [Nosema bombycis]
>Nosema 157382910 gb ABV48890.1  hypothetical spore wall protein [Nosema bombycis]
>Nosema 157382908 gb ABV48889.1  spore wall protein [Nosema bombycis]
>Nosema 134285554 gb ABO69729.1  unknown [Nosema bombycis]
>Nosema 134285553 gb ABO69728.1  Sec61gamma [Nosema bombycis]
>Nosema 134285552 gb ABO69727.1  unknown [Nosema bombycis]
>Nosema 134285551 gb ABO69726.1  unknown [Nosema bombycis]
>Nosema 134285550 gb ABO69725.1  unknown [Nosema bombycis]
>Nosema 134285549 gb ABO69724.1  unknown [Nosema bombycis]
>Nosema 134285548 gb ABO69723.1  unknown [Nosema bombycis]
>Nosema 134285547 gb ABO69722.1  unknown [Nosema bombycis]
>Nosema 134285546 gb ABO69721.1  unknown [Nosema bombycis]
>Nosema 134285544 gb ABO69720.1  unknown [Nosema bombycis]



>Nosema 134285543 gb ABO697.19.1  unknown [Nosema bombycis]
>Nosema 134285542 gb ABO697.18.1  Sec61beta [Nosema bombycis]
>Nosema 134285541 gb ABO697.17.1  unknown [Nosema bombycis]
>Nosema 134285540 gb ABO697.16.1  unknown [Nosema bombycis]
>Nosema 134285539 gb ABO697.15.1  unknown [Nosema bombycis]
>Nosema 134285537 gb ABO697.14.1  unknown [Nosema bombycis]
>Nosema 134285536 gb ABO697.13.1  Sec61alpha [Nosema bombycis]
>Nosema 156623046 dbj BAF76326.1  heat shock protein 70 [Nosema bombycis]
>Nosema 71082697 gb AAZ23552.1  beta-tubulin [Nosema plutellae]
>Nosema 71082695 gb AAZ23551.1  beta-tubulin [Nosema sp. PX1]
>Nosema 71082693 gb AAZ23550.1  alpha-tubulin [Nosema plutellae]
>Nosema 71082691 gb AAZ23549.1  alpha-tubulin [Nosema sp. PX1]
>Nosema 119655559 gb ABL86149.1  beta-tubulin [Nosema bombycis]
>Nosema 117622286 gb ABK51387.1  alpha-tubulin [Nosema bombycis]
>Nosema 91178032 gb ABE27277.1  unknown [Nosema bombycis]
>Nosema 91178031 gb ABE27276.1  unknown [Nosema bombycis]
>Nosema 91178030 gb ABE27275.1  unknown [Nosema bombycis]
>Nosema 91178029 gb ABE27274.1  unknown [Nosema bombycis]
>Nosema 91178028 gb ABE27273.1  unknown [Nosema bombycis]
>Nosema 91178027 gb ABE27272.1  unknown [Nosema bombycis]
>Nosema 91178025 gb ABE27271.1  unknown [Nosema bombycis]
>Nosema 91178024 gb ABE27270.1  unknown [Nosema bombycis]
>Nosema 91178023 gb ABE27269.1  unknown [Nosema bombycis]
>Nosema 91178022 gb ABE27268.1  unknown [Nosema bombycis]
>Nosema 91178021 gb ABE27267.1  unknown [Nosema bombycis]
>Nosema 91178020 gb ABE27266.1  unknown [Nosema bombycis]
>Nosema 91178019 gb ABE27265.1  unknown [Nosema bombycis]
>Nosema 91178018 gb ABE27264.1  unknown [Nosema bombycis]
>Nosema 91176531 gb ABE26655.1  pol polyprotein [Nosema bombycis]
>Nosema 91176529 gb ABE26654.1  pol polyprotein [Nosema bombycis]
>Nosema 91176527 gb ABE26653.1  pol polyprotein [Nosema bombycis]
>Nosema 91176525 gb ABE26652.1  pol polyprotein [Nosema bombycis]
>Nosema 91176523 gb ABE26651.1  pol polyprotein [Nosema bombycis]
>Nosema 91176521 gb ABE26650.1  pol polyprotein [Nosema bombycis]
>Nosema 91176519 gb ABE26649.1  pol polyprotein [Nosema bombycis]
>Nosema 91176517 gb ABE26648.1  pol polyprotein [Nosema bombycis]
>Nosema 29691976 dbj BAC75454.1  putative spore surface protein [Nosema bombycis]
>Nosema 29691974 dbj BAC75453.1  putative spore surface protein [Nosema bombycis]
>Nosema 29691972 dbj BAC75452.1  putative spore surface protein [Nosema bombycis]
>Nosema 29691970 dbj BAC75451.1  putative spore surface protein [Nosema bombycis]
>Nosema 29691968 dbj BAC75450.1  putative spore surface protein [Nosema bombycis]
>Nosema 29691966 dbj BAC75449.1  putative spore surface protein [Nosema bombycis]
>Nosema 7542623 gb AAF63521.1 AF245278_1 surface-antigen protein P30.4 [Nosema bombycis]
>Nosema 120561172 gb ABM26981.1  RNA polymerase II largest subunit [Nosema trichoplusiae]
>Nosema 120561170 gb ABM26980.1  RNA polymerase II largest subunit [Nosema granulosis]
>Nosema 120561168 gb ABM26979.1  RNA polymerase II largest subunit [Nosema empoascae]
>Nosema 120561166 gb ABM26978.1  RNA polymerase II largest subunit [Nosema bombycis]
>Nosema 120561164 gb ABM26977.1  RNA polymerase II largest subunit [Nosema apis]
>Nosema 119220839 gb ABL61510.1  beta-tubulin [Nosema sp. BZ-2006e]
>Nosema 119220837 gb ABL61509.1  beta-tubulin [Nosema sp. BZ-2006d]
>Nosema 118574000 gb ABL06971.1  beta-tubulin [Nosema sp. BZ-2006c]
>Nosema 118573998 gb ABL06970.1  beta-tubulin [Nosema sp. BZ-2006b]
>Nosema 116874498 gb ABK30892.1  beta-tubulin [Nosema sp. BZ-2006a]
>Nosema 116874496 gb ABK30891.1  beta-tubulin [Nosema bombycis]
>Nosema 110808651 gb ABG91164.1  DNA-dependent RNA polymerase II largest subunit [Nosema bombycis]
>Nosema 110808649 gb ABG91163.1  DNA-dependent RNA polymerase II largest subunit [Nosema spodopterae]
>Nosema 110808647 gb ABG91162.1  beta-tubulin [Nosema spodopterae]
>Nosema 110180495 gb ABG54480.1  beta-tubulin [Nosema bombycis]
>Nosema 71836137 gb AAZ42396.1  alpha tubulin [Nosema bombycis]
>Nosema 71836135 gb AAZ42395.1  alpha tubulin [Nosema spodopterae]
>Nosema 71082701 gb AAZ23554.1  DNA-dependent RNA polymerase II largest subunit [Nosema plutellae]
>Nosema 71082699 gb AAZ23553.1  DNA-dependent RNA polymerase II largest subunit [Nosema sp. PX1]
>Nosema 13274162 emb CAC33859.1  RNA polymerase II largest subunit [Nosema lyriae]
>Nosema 22775487 dbj BAC15534.1  elongation factor 1 alpha [Nosema bombycis]
>Nosema 14595977 gb AAK68858.1  DNA repair protein [Nosema bombycis]
>Nosema 9651779 gb AAF91269.1  20S proteasome alpha 5 subunit [Nosema sp.]
>Nosema 37499120 gb AAQ91617.1  unknown [Nosema locustae]
>Nosema 37499119 gb AAQ91616.1  unknown [Nosema locustae]
>Nosema 37499118 gb AAQ91615.1  group II large subunit catalase [Nosema locustae]
>Nosema 16755644 gb AAL28057.1 AF406785_6 calmodulin-dependent protein kinase [Nosema locustae]
>Nosema 16755643 gb AAL28056.1 AF406785_5 unknown [Nosema locustae]
>Nosema 16755642 gb AAL28055.1 AF406785_4 pyruvate dehydrogenase E1 beta subunit [Nosema locustae]
>Nosema 16755641 gb AAL28054.1 AF406785_3 pyruvate dehydrogenase E1 alpha subunit [Nosema locustae]
>Nosema 16755640 gb AAL28053.1 AF406785_2 checkpoint protein kinase [Nosema locustae]



>Nosema 16755639 gb AAL28052.1 AF406785_1 unknown [Nosema locustae]
>Nosema 6063008 gb AAF03091.1 AF144035_1 transcription initiation factor TFIID [Nosema locustae]
>Nosema 2197028 gb AAC47660.1  mitochondrial-type HSP70 [Nosema locustae]
>Nosema 2197027 gb AAC47659.1  unknown [Nosema locustae]
>Nosema 30088590 gb AAN35161.1  beta-tubulin [Nosema locustae]
>Nosema 12083879 gb AAG48935.1 AF190772_1 beta-tubulin [Nosema locustae]
>Nosema 4092885 gb AAD12605.1  RNA polymerase II largest subunit [Nosema locustae]
>Nosema 4079679 gb AAD04234.1  translation initiation factor 2 gamma subunit [Nosema locustae]
>Nosema 1755092 gb AAC47419.1  alpha-tubulin [Nosema locustae]
>Nosema 2641235 gb AAB86863.1  actin [Nosema locustae]
>Nosema 2245600 gb AAB62549.1  glutamyl-tRNA synthetase [Nosema locustae]
>Nosema 2245598 gb AAB62548.1  glutaminyl-tRNA synthetase [Nosema locustae]
>Nosema 51859621 gb AAU11093.1  unknown [Antonospora locustae]
>Nosema 51859620 gb AAU11092.1  unknown [Antonospora locustae]
>Nosema 51859619 gb AAU11091.1  class-II photolyase [Antonospora locustae]
>Nosema 51859618 gb AAU11090.1  putative hydrolase-like protein [Antonospora locustae]
>Nosema 50261965 gb AAT72743.1  translation elongation factor 2 [Antonospora locustae]
>Nosema 50261963 gb AAT72742.1  60S ribosomal protein L10a [Antonospora locustae]
>Nosema 50261961 gb AAT72741.1  deoxyuridine 5' triphosphate nucleotidylhydrolase [Antonospora locustae]
>Nosema 47156903 gb AAT12296.1  chromosome segregation protein [Antonospora locustae]
>Nosema 47156902 gb AAT12295.1  phospholipase D [Antonospora locustae]
>Nosema 47156901 gb AAT12294.1  beta transducin repeat containing protein-like protein [Antonospora locustae]
>Nosema 47156900 gb AAT12293.1  DNA repair helicase RAD25 [Antonospora locustae]
>Nosema 47156899 gb AAT12292.1  hypothetical protein [Antonospora locustae]
>Nosema 42416977 gb AAS16360.1  translation elongation factor 1 alpha [Antonospora locustae]
>Nosema 598336 gb AAC41564.1  isoleucyl-tRNA synthetase
>Nosema 986926 gb AAB12038.1  beta-tubulin
>Nosema 986924 gb AAB12036.1  alpha-tubulin
>Nosema 145239617 ref XP_001392455.1  hypothetical protein An08g03390 [Aspergillus niger]
>Nosema 151302943 gb AAB54170.2  Hypothetical protein C44E4.2 [Caenorhabditis elegans]
>Nosema 134076966 emb CAK45375.1  unnamed protein product [Aspergillus niger]
>Nosema 29691978 dbj BAC75455.1  putative spore surface protein [Microsporidium sp. TB-2M-H]



## APPENDIX B

### RAW DATA

Header	Description
Sr.No	Peptide number
File Name	Scan number, charge value (Z) at end of f/n
(M+H)	Parent m/z value (MH+)
<sup>^</sup> M	(M+H) - M
<sup>^</sup> Cn	Error
XCorr	Fitness match; numbers >1.5 are significant
Sp	Highest peak in given spectra (m/z)
RSp	Repeat of Sp
Reference	Organism
No	# of appearances
Peptide	Sequence
AA	Amino acid length
ID#	Gene Bank ID
Protein	Corresponding protein
PP	Peptide prophet score

Test 5 - below detection limits



Test 6														
Sr No	File Name	(M+H)	M	CN	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
50	2007-09-04-14 3617 3617 2 out	1790.9	0.355	0.62	3.08	665		Nosoma	1	SYELPDGQVVKIGSER	16	AAB86863.1	actin	0.9914
5	2007-09-04-14 724 724 2 out	858.5	1.489	0.05	3.07	404		IV6	1	ELKDLLK	7	NP_149920.1	457L	0.9624
18	2007-09-04-14 989 989 3 out	1202.7	0.085	0.26	2.74	569	0.693	IV6	1	KFPTLEINK	10	NP_149688.1	225R	0.9885
77	2007-09-04-14 4303 4303 3 out	2431.3	1.587	0.48	2.7	805		IV6	1	LYLAAM*ETNHVTLINLMK	22	NP_149698.1	235L	0.9505
62	2007-09-04-14 4904 4904 3 out	2110.2	0.459	0.35	2.49	405		IV6	1	FILEVHLLELKVSLNTK	18	NP_149484.1	021R	0.9755
35	2007-09-04-14 5479 5479 3 out	1538.7	0.548	0.27	2.47	863		Nosoma	1	SM*GVVGTGSPGTM*AVR	18	AAT12294.1	beta transducin repeat containing protein-ika	1
40	2007-09-04-14 6205 6205 2 out	1614.9	0.932	0.38	2.47	433		IV6	1	TLTITKVQHNIEK	14	NP_149513.1	050L	0.9503
28	2007-09-04-14 4153 4153 2 out	1490.8	1.528	0.38	2.31	505		IV6	1	INVSVEFITLTK	13	NP_149490.1	027L	0.9843
89	2007-09-04-14 3775 3775 3 out	3097.5	1.559	0.59	2.24	197		Nosoma	1	SIFDLFSEM*KDHETFANELYYAALAR	27	AAB54170.2	hypothetical protein C14E4.2	0.9944
11	2007-09-04-14 5423 5423 2 out	1115.6	1.041	0.45	2.17	616		IV6	1	QTAAGSGIALVK	12	NP_149622.1	159L	0.9831
21	2007-09-04-14 1256 1256 3 out	1223.6	0.185	0.33	2.15	317		Nosoma	1	EOKILHGAANR	11	ABO69713.1	Sec61alpha	0.9935
24	2007-09-04-14 2568 2568 2 out	1344.7	1.525	0.32	2.15	365		IV6	1	IEENNNLEIK	11	NP_149776.1	313L	0.987
36	2007-09-04-14 2873 2873 2 out	1592.8	0.343	0.4	2.06	322		IV6	1	NYPTQDEMKLLK	13	NP_149675.1	212L	0.9952
67	2007-09-04-14 5358 5358 3 out	2198.2	1.189	0.45	2.02	324		Nosoma	1	LVGYSVRFVNSSENTRLK	19	ABO69722.1	unknown	0.9914
87	2007-09-04-14 5438 5438 3 out	2855.4	0.341	0.49	1.99	283		Nosoma	1	NNYSDFVM*LLDIYQGWKTLFDK	24	ABO69722.1	unknown	0.9806
55	2007-09-04-14 3349 3349 3 out	2014.1	1.358	0.33	1.97	217		IV6	1	MEIIAFFLYLNKRRK	16	NP_149558.1	095L	0.9696
22	2007-09-04-14 3733 3733 2 out	1268.6	1.364	0.36	1.95	546		IV6	1	QKMQYVEDK	10	NP_149676.1	213R	0.9973
33	2007-09-04-14 4201 4201 2 out	1532.9	1.337	0.42	1.95	302		IV6	1	EMILLQITLMISLK	13	NP_149653.1	190R	0.9853
1	2007-09-04-14 6416 6416 2 out	700.5	0.575	0.26	1.94	312		Nosoma	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	0.9968
12	2007-09-04-14 1157 1157 2 out	1117.5	1.593	0.3	1.93	358		Nosoma	1	NIENMKYYR	8	AAB62548.1	glutamyl-tRNA synthetase	0.9797
15	2007-09-04-14 1114 1114 3 out	1142.7	0.564	0.43	1.93	1057		IV6	1	KDIAISKVLK	10	NP_149485.1	022L	0.9844
63	2007-09-04-14 3844 3844 3 out	2110.2	1.784	0.36	1.88	169	0.693	Nosoma	1	IOYGEDESLPEKETSFK	18	ABE26651.1	pol polyprotein	0.9608
25	2007-09-04-14 4453 4453 2 out	1457.9	0.924	0.46	1.85	264		Nosoma	5	IAQVSSISATSLR	14	AAZ23550.1	alpha-tubulin	0.9952
34	2007-09-04-14 3188 3188 2 out	1534.8	1.462	0.4	1.83	842		Nosoma	1	MPFLVNGPATFOR	14	ABE26655.1	pol polyprotein	0.9746
54	2007-09-04-14 6362 6362 3 out	2008.1	1.786	0.42	1.83	129	1.099	IV6	1	MNLKIFPNVDINVK	17	NP_149597.1	134L	0.9872
39	2007-09-04-14 4588 4588 2 out	1613.1	1.217	0.4	1.82	354		IV6	1	IVYKAGTGSTUR	16	NP_149538.1	075L	0.9849
86	2007-09-04-14 3804 3804 3 out	2850.5	1.122	0.53	1.82	87	2.197	Nosoma	1	VNTKRVITTH*QDHELWEVDLGR	24	ABE26654.1	pol polyprotein	0.9924
90	2007-09-04-14 5868 5868 3 out	3102.6	0.667	0.49	1.81	92	0.693	QCV	1	SGAIVVSENLQPADEIIGPILSLFGSK	29	NP_620565.1	structural polyprotein	0.9975
19	2007-09-04-14 3619 3619 2 out	1205.7	1.533	0.37	1.8	390		IV6	1	VGVSTQTKVK	11	NP_149555.1	192R	0.9797
82	2007-09-04-14 4478 4478 3 out	2661.3	1.439	0.47	1.8	141		IV6	1	M*ASESYGLSRQETYDLNIEVVK	24	NP_149758.1	295L	0.9871
2	2007-09-04-14 2077 2077 1 out	713.5	0.808	0.21	1.79	342		IV6	1	LINLLK	6	NP_149877.1	414L	1
7	2007-09-04-14 4255 4255 2 out	994.4	0.49	0.39	1.79	156	1.792	KBVK	3	MNEMALMR	9	YP_308663.1	VP3	0.9987
73	2007-09-04-14 5278 5278 3 out	2310.1	0.828	0.4	1.78	214	0.693	Nosoma	1	TGELAVADCGGRM*SERVHR	22	AAT12294.1	beta transducin repeat containing protein-ika	0.9981
38	2007-09-04-14 1187 1187 3 out	1607.8	1.26	0.43	1.77	167	1.386	IV6	1	IVLSM*WSQPSMRR	14	NP_149790.1	327R	0.9736
13	2007-09-04-14 6012 6012 2 out	1122.5	0.867	0.53	1.76	273		IV6	1	SLMGNCPSVK	11	NP_149555.1	092R	0.9784
44	2007-09-04-14 3880 3880 2 out	1722.9	0.507	0.41	1.74	196	1.609	IV6	1	MIENLNFRLNFR	13	NP_149761.1	298R	0.9973
75	2007-09-04-14 4266 4266 3 out	2344.1	1.044	0.41	1.74	187	0.693	Nosoma	1	QREAYTSLANLVDMACLTG	21	ABV48892.1	hypothetical spore wall protein	0.9942
88	2007-09-04-14 5206 5206 3 out	2956.4	0.858	0.43	1.74	159	1.386	Nosoma	1	CEILM*VFSTMPQDQELIFKTKNK	25	ABO69722.1	unknown	0.9646
4	2007-09-04-14 813 813 2 out	841.4	0.617	0.33	1.71	210		Nosoma	5	QNADEK	7	AAZ23550.1	alpha-tubulin	0.9856
16	2007-09-04-14 1117 1117 3 out	1156.5	0.433	0.38	1.69	212	0.693	KBVK	4	CAMOTPYQK	10	NP_851403.1	non-structural polyprotein	0.9971
74	2007-09-04-14 5258 5258 3 out	2340.3	1.994	0.37	1.69	163		IV6	1	VLEIYCNVQNTLPPLPAQLSK	21	NP_149485.1	022L	0.9679
32	2007-09-04-14 1855 1855 3 out	1526.8	0.38	0.37	1.68	149	0.693	IV6	1	LKQLQVM*EFMK	14	NP_149504.1	041L	0.9686
30	2007-09-04-14 4636 4636 3 out	1515.8	0.708	0.49	1.66	564		IV6	1	MFQSSWILLYK	12	NP_149535.1	072R	0.9855
71	2007-09-04-14 4166 4166 3 out	2270	1.362	0.52	1.66	169	0	Nosoma	1	NIYSCSADGAPNM*MGKKNGCLK	24	ABE27267.1	unknown	0.9612
6	2007-09-04-14 3235 3235 2 out	880.5	1.482	0.39	1.65	286	0.693	IV6	1	NFVKMNMK	7	NP_149902.1	439L	0.9629
61	2007-09-04-14 4939 4939 3 out	2107.1	1.538	0.44	1.65	147	0.693	IV6	1	EDVSNLTKKLFGSGTVLNGK	20	NP_149639.1	176R	0.9938
37	2007-09-04-14 2887 2887 3 out	1601.8	0.291	0.43	1.63	178		Nosoma	1	VNSADSFMINGRYK	14	ABV48897.1	hypothetical spore wall protein	0.9741
92	2007-09-04-14 6289 6289 3 out	3420.6	0.467	0.56	1.62	67	1.609	Nosoma	1	DYELQLQPHMATMYDNDLSGQPQALQKSG	30	ABM26977.1	RNA polymerase II largest subunit	0.9939
78	2007-09-04-14 2992 2992 3 out	2534.4	0.97	0.4	1.61	92	0.693	Nosoma	1	NPM*DTQVTLSDVDPVHKIGAIKR	24	AAC47659.1	unknown	0.9859
17	2007-09-04-14 3222 3222 2 out	1160.6	1.411	0.39	1.6	380		KBVK	2	ITVEHALGESK	11	NP_851403.1	non-structural polyprotein	0.9968
26	2007-09-04-14 1544 1544 2 out	1475.7	0.987	0.55	1.6	114	0.693	Nosoma	1	AAELASENDITWR	13	ABE26655.1	pol polyprotein	0.9892
43	2007-09-04-14 2604 2604 2 out	1719.9	0.303	0.41	1.59	305		ABPV	1	NVTMQNSKKNNNSK	15	NP_066242.1	capsid protein	0.9963
66	2007-09-04-14 4540 4540 2 out	2173.1	0.752	0.49	1.59	117		Nosoma	1	VKILTYHETGHGSASNM*K	21	ABE26653.1	pol polyprotein	0.9978
3	2007-09-04-14 2480 2480 2 out	736.5	0.021	0.38	1.57	274		IV6	1	IIHKK	6	NP_149680.1	217L	0.9987
8	2007-09-04-14 2387 2387 2 out	1016.5	1.244	0.42	1.56	255		IV6	1	FMKNFQSK	8	NP_149843.1	380R	0.9807
31	2007-09-04-14 1272 1272 3 out	1524.7	0.039	0.4	1.56	158	0.693	IV6	1	FLHEKMFQSDSK	12	NP_149891.1	428L	0.985
27	2007-09-04-14 3004 3004 2 out	1485.9	0.269	0.4	1.55	339		Nosoma	1	ISRRITPIPLNR	12	AAT12296.1	chromosome segregation protein	0.9833
47	2007-09-04-14 5233 5233 3 out	1773.9	1.515	0.44	1.55	66		Nosoma	1	VFFEVFGVIDGFIR	15	ABO69729.1	unknown	0.9892
53	2007-09-04-14 5287 5287 3 out	1996	1.397	0.42	1.55	200	0.693	Nosoma	1	PTLESVNNSELYLITR	17	ABO69722.1	unknown	0.9853
81	2007-09-04-14 5778 5778 3 out	2653.4	1.582	0.39	1.54	106		IV6	1	LIADPQFRQALLNTAGSSIM*YLSK	25	NP_149618.1	155L	0.9778
41	2007-09-04-14 5224 5224 3 out	1617.8	0.271	0.54	1.53	97	2.639	KBV	1	SIFNGPM*DFSIAFR	15	AAU10093.1	nonstructural protein	0.9611
58	2007-09-04-14 5179 5179 3 out	2070.1	0.828	0.48	1.53	94	0.693	Nosoma	1	ITLVLVKYYKCMNITSR	17	ABV48890.1	hypothetical spore wall protein	0.9906
83	2007-09-04-14 4800 4800 3 out	2676.6	0.19	0.41	1.53	145		IV6	1	NVLITGIATGVAVLLFLLLM*FKSK	26	NP_149800.1	337L	0.9797
29	2007-09-04-14 3671 3671 2 out	1513	1.126	0.46	1.52	119		IV6	1	LILIASLVLLFGK	14	NP_149676.1	213R	0.9812
42	2007-09-04-14 2812 2812 3 out	1638.8	1.015	0.48	1.51	224		IV6	1	M*AISFFSQTSYIK	15	NP_149489.1	026R	0.9935
52	2007-09-04-14 4062 4062 2 out	1926	0.487	0.61	1.51	84		IV6	1	LDSYSLNFVAKHFLGSK	17	NP_149500.1	037L	0.997











Test 9																	
Sr No	File Name	(M+H)	M	Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP			
48	2007-09-04-17 3955 3955 2 out	1790 9	0 521	0 63	3 58	719	0	Nosema	1	SYELPDGQVKGISER	16	AAB86863 1	actin	1			
31	2007-09-04-17 3045 3045 3 out	1515 7	0 261	0 69	2 78	994	0	Nosema	1	IVHHTFYNEILR	11	AAB86863 1	actin	0 9962			
29	2007-09-04-17 5232 5233 2 out	1492 9	0 706	0 41	2 34	345	0	Nosema	1	VLDNRHLGSIKILK	13	BAF76326 1	heat shock protein 70	0 9976			
21	2007-09-04-17 1066 1066 2 out	1171 6	0 25	0 71	2 31	654	0	Nosema	1	HKGVMVMGMGQK	11	AAB86863 1	actin	0 9823			
35	2007-09-04-17 3018 3018 3 out	1559 8	1 564	0 46	2 28	581	0	IV6	1	M*DETQQLLYKFK	13	NP 149668 1	205R	0 9913			
54	2007-09-04-17 4441 4441 2 out	1932	1 311	0 49	2 24	167	0	DWV DWV DWV Kakugo VDV1 VDV1	6	AFFGAEAFNDLTLMT*RR	17	NP 853660 2	polyprotein	0 9973			
26	2007-09-04-17 3579 3579 2 out	1377 7	0 388	0 39	2 18	87	1 386	IV6	1	NIENNSVGRQTMK	12	NP 149530 1	067R	0 9837			
2	2007-09-04-17 1405 1405 1 out	715 4	0 035	0 16	2 16	347	0	IV6	1	NIIDK	6	NP 149495 1	032R	1			
71	2007-09-04-17 4914 4914 3 out	2439 3	0 761	0 42	2 15	325	0	IV6	1	YSCLEPYISSLIINIERGQLK	21	NP 149902 1	439L	1			
44	2007-09-04-17 4080 4080 3 out	1746 8	1 359	0 42	2 14	637	0	IV6	1	EEDEPVYDFANNFVR	14	NP 147311 1	268L	0 9853			
50	2007-09-04-17 6442 6442 2 out	1817 8	0 77	0 37	2 14	327	0	KBV KBV	2	FMSSLYECDKVEACDK	16	NP 851403 1	non-structural polyprotein	0 9894			
39	2007-09-04-17 5403 5403 2 out	1614 9	0 272	0 31	2 06	641	0	IV6	1	TLTTKVQNNIEK	14	NP 149513 1	050L	0 9593			
78	2007-09-04-17 5234 5234 2 out	2851 4	0 856	0 33	2 03	191	0	IV6	1	YAGFSELTLLVIVFSSIIYEDSNHR	25	NP 149535 1	072R	1			
82	2007-09-04-17 4351 4351 3 out	2927 6	0 828	0 51	2 01	148	0	IV6	1	QLVTYHHTMLKVIQIRELWMFK	23	NP 149894 1	431L	0 9665			
1	2007-09-04-17 2833 2833 1 out	700 5	0 927	0 18	1 99	414	0	Nosema	1	IVDIK	6	ABM26977 1	RNA polymerase II largest subunit	1			
51	2007-09-04-17 3468 3468 3 out	1826	0 879	0 38	1 99	343	0	DWV	1	PEMDRLNLAEGLLNK	16	ABG36638 1	polyprotein	0 9948			
30	2007-09-04-17 4321 4321 2 out	1498 8	0 197	0 33	1 98	679	0	IV6	1	EIFICYREGKK	12	NP 149500 1	037L	0 9982			
65	2007-09-04-17 4184 4184 3 out	2293 2	1 492	0 47	1 97	371	0	Nosema	1	TLMDLEPGVIESIKNSSEYR	20	AAC47419 1	alpha-tubulin	0 9683			
80	2007-09-04-17 4287 4287 3 out	2855 4	0 319	0 4	1 97	197	0	Nosema	1	INYSDFVM*LLDIYQGWEKTLFDK	24	ABO69722 1	unknown	0 9917			
62	2007-09-04-17 5631 5631 3 out	2197	0 562	0 43	1 95	120	0	IV6	1	MPFFODILFYPM*TM*MPK	20	NP 149516 1	053R	0 9894			
75	2007-09-04-17 6874 6874 3 out	2754 8	1 71	0 54	1 91	103	1 792	IV6	1	VTLLLLLAVLLLLLIFM*KVCKQK	25	NP 149679 1	216R	0 9377			
24	2007-09-04-17 4248 4248 2 out	1285 7	0 584	0 55	1 9	1203	0	IV6	1	EAQIKGIGNR	11	NP 149612 1	149L	0 9686			
3	2007-09-04-17 1592 1592 1 out	730 4	0 933	0 26	1 88	219	0	IV6	1	NLNVDR	6	NP 149581 1	218R	1			
19	2007-09-04-17 860 860 2 out	1142	1 089	0 36	1 86	300	0	IV6	1	KDIA*SKVL	10	NP 149485 1	022L	0 9882			
68	2007-09-04-17 5996 5996 3 out	2310 1	0 542	0 37	1 86	392	0	Nosema	1	TGELAVADLGCGRM*SERHVR	22	AAT12294 1	beta transducin repeat containing protein	0 9934			
42	2007-09-04-17 2829 2829 2 out	1719 9	0 311	0 37	1 85	280	0	ABPV	1	IVTMQINSKNNNSNK	15	NP 066242 1	capsid protein	0 9967			
57	2007-09-04-17 2732 2732 3 out	2037 1	0 833	0 37	1 84	351	0 693	IV6	1	YQGLAKPINVTESNAYR	18	NP 149612 1	149L	0 9819			
20	2007-09-04-17 884 884 3 out	1156 5	0 459	0 45	1 8	272	0 693	KBV KBV APV APV	4	CAMDTPYDK	10	NP 851403 1	non-structural polyprotein	0 9954			
83	2007-09-04-17 3454 3454 3 out	2933 5	0 996	0 4	1 79	84	0	Nosema	1	KYDCVIDEAHERSLNIDILLGYLK	25	ABO69722 1	unknown	0 9972			
56	2007-09-04-17 1755 1755 3 out	1987 9	0 667	0 44	1 78	76	0	IV6	1	DMKFGCHEYIEFGKQR	16	NP 149538 1	075L	0 9578			
14	2007-09-04-17 1179 1179 2 out	1074 5	0 566	0 39	1 77	328	0	Nosema	1	ENNVADGLSR	10	ABE26651 1	pol polyprotein	0 9967			
46	2007-09-04-17 2931 2931 3 out	1776	1 024	0 62	1 77	470	0	Nosema	1	LYVGNVEFPLAKNAK	16	ABE27268 1	unknown	0 9978			
32	2007-09-04-17 2644 2644 2 out	1519 8	1 356	0 45	1 74	361	0	Nosema Nosema Nosema Nosema Nosema	7	AMEDATVRLDGSVR	14	ABM26981 1	RNA polymerase II largest subunit	0 9886			
7	2007-09-04-17 849 849 1 out	816 5	0 011	0 34	1 71	216	0	Nosema	1	NI*SLKK	7	ABE27266 1	unknown	1			
84	2007-09-04-17 5206 5206 3 out	3295 7	1 59	0 59	1 71	171	0	IV6	1	LLLFHTFLCHTFLCHTNLLNYFK	26	NP 149634 1	171R	0 9778			
11	2007-09-04-17 2320 2320 2 out	1016 5	1 363	0 4	1 69	301	0	IV6	1	FMKNFDSK	8	NP 149843 1	380R	0 9591			
34	2007-09-04-17 4161 4161 2 out	1524 9	1 069	0 4	1 69	620	0	IV6	1	SLGVVNEQLKVNP	14	NP 149859 1	396L	0 9942			
25	2007-09-04-17 3806 3806 3 out	1292 7	1 604	0 38	1 68	262	1 099	ABPV	1	KVDVVNAFGESK	12	NP 066241 1	replicase polyprotein	0 9928			
28	2007-09-04-17 5031 5031 2 out	1488 8	0 806	0 41	1 68	92	1 099	IV6	1	ELYKLWDALPK	12	NP 149900 1	437L	0 9813			
47	2007-09-04-17 3276 3276 3 out	1778 9	1 126	0 41	1 68	516	0	Nosema	1	SVTEDTGYFYDLKK	15	ABE26655 1	pol polyprotein	0 9958			
55	2007-09-04-17 5284 5284 2 out	1947 8	1 452	0 44	1 66	128	0	Nosema	1	FNEQCGREM*EVLMSMK	17	ABV48900 1	hypothetical spore wall protein	0 9595			
70	2007-09-04-17 6009 6009 3 out	2425 2	0 659	0 4	1 66	267	0	IV6	1	HVLVAM*LASSEGVSVYFNOKK	23	NP 149508 1	045L	0 9567			
4	2007-09-04-17 1918 1918 2 out	736 5	0 228	0 42	1 65	213	0	IV6	1	IIHKK	6	NP 149680 1	217L	1			
13	2007-09-04-17 7143 7143 2 out	1070 6	1 503	0 37	1 65	379	0	IV6	1	LLWDWLPK	8	NP 149515 1	052R	0 9954			
61	2007-09-04-17 1736 1736 3 out	2149	1 669	0 57	1 65	163	0	IV6	1	MPFFODILFYPM*MMMPK	17	NP 149516 1	053R	0 9808			
73	2007-09-04-17 4210 4210 3 out	2619 5	1 647	0 43	1 65	256	0	IV6	1	EPTILPPIKLEQIAYIRAGDEPR	23	NP 149664 1	201R	0 9854			
33	2007-09-04-17 4105 4105 2 out	1522 9	0 507	0 39	1 64	462	0	IV6	1	ALFKLNDILFTLD	13	NP 149905 1	442L	0 9818			
45	2007-09-04-17 5454 5454 2 out	1750 9	1 409	0 44	1 63	169	0 693	IV6	1	GHONLYKNM*LYIK	15	NP 149571 1	288R	0 975			
41	2007-09-04-17 5540 5540 2 out	1702	1 332	0 41	1 6	249	0	Nosema	1	AIEEIVKHHGIPQR	15	ABE26654 1	pol polyprotein	0 9852			
79	2007-09-04-17 3026 3026 3 out	2854 4	1 546	0 5	1 6	109	0 693	Nosema	1	ILGLYM*PVQWVEFSRLNM*PDALLSK	26	AAB62548 1	glutaminyl-tRNA synthetase	0 9925			
74	2007-09-04-17 4999 4999 3 out	2653 4	1 053	0 42	1 58	135	0	BQCV	1	VKFAITHVPSRLM*LLNHVQCDAK	24	NP 620565 1	structural polyprotein	0 9973			
17	2007-09-04-17 2805 2805 2 out	1123 6	1 524	0 5	1 56	250	0	IV6	1	M*TTQNPFR	10	NP 149639 1	176R	0 9882			
60	2007-09-04-17 3062 3062 3 out	2115 2	1 496	0 42	1 55	173	1 099	IV6	1	IRLAVLDIEKEVSFLDR	18	NP 149615 1	152R	0 9923			
9	2007-09-04-17 3378 3378 2 out	880 5	1 12	0 56	1 54	287	0 693	IV6	1	NFVKNMK	7	NP 149902 1	439L	0 9955			
40	2007-09-04-17 4803 4803 2 out	1661 9	0 183	0 48	1 54	80	1 386	VDV1 VDV1	2	PVCNRSPM*LLFKIK	15	YP 145791 1	polyprotein	0 9867			
8	2007-09-04-17 2706 2706 2 out	858 5	0 538	0 46	1 52	273	0	IV6	1	LTNKNLR	7	NP 149647 1	184R	1			
49	2007-09-04-17 4460 4460 2 out	1810	0 289	0 43	1 51	226	0	IV6	1	FEEALSAQFQIRSRK	15	NP 149612 1	149L	0 9905			
16	2007-09-04-17 1838 1838 2 out	1113 7	0 532	0 46	1 5	154	0	IV6	1	KILDIPKMR	9	NP 149707 1	244L	0 9505			



Test No	File Name	[M+H] <sup>+</sup>	ΔV	ΔCn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
45	2007-09-14-01 3855 3855 2 out	1790.9	0.448	0.63	3.64	745	0	Nosema	1	SYELPDGQVIGKSER	16	AAB86863.1	actin	0.9768
23	2007-09-14-01 3019 3019 2 out	1515.7	0.58	0.64	3.15	1117	0	Nosema	1	IWHFTFYNELR	11	AAB86863.1	actin	1
26	2007-09-14-01 4778 4778 2 out	1614.9	1.509	0.47	3.09	623	0	IV6	1	TLTKVQVNIIEK	14	NP_149513.1	050L	0.96
2	2007-09-14-01 3163 3163 2 out	1130.6	0.712	0.46	2.84	680	0	Nosema	1	FPGLNADLR	10	AAZ23552.1	beta-tubulin	0.9933
10	2007-09-14-01 1344 1344 2 out	1229.7	1.685	0.33	2.58	585	0	IV6	1	EIQLMKNLK	10	NP_149723.1	260R	0.9906
7	2007-09-14-01 1092 1092 2 out	1171.6	0.383	0.59	2.5	683	0	Nosema	1	HKGMVMGMGQK	11	AAB86863.1	actin	0.9937
29	2007-09-14-01 3810 3810 3 out	1668	1.723	0.42	2.43	1069	0	Nosema	1	KVQVQVQIDLEK	14	ABE27269.1	unknown	0.992
102	2007-09-14-01 6636 6636 3 out	3132.4	1.267	0.46	2.43	207	0	KBVKKBVKKBVK	4	TEVMDPAPCEYVANLFSYWRATM*CYR	27	YP_308662.1	VP2	0.9848
79	2007-09-14-01 4892 4892 3 out	2403.2	1.071	0.47	2.41	149	0.693	Nosema	1	EEDIEKTAFAACRGLEFLR	20	ABE26655.1	pol polyprotein	0.9838
16	2007-09-14-01 1200 1200 2 out	1344.7	0.576	0.31	2.35	414	0	IV6	1	IENENLEEK	11	NP_149776.1	313L	0.9973
9	2007-09-14-01 1050 1050 2 out	1204.7	0.931	0.28	2.32	440	0	IV6	1	IAERFVEVLK	10	NP_149548.1	085L	0.9972
39	2007-09-14-01 5221 5221 3 out	1754	0.357	0.53	2.3	301	0	IV6	1	VNGKPEVCNIALRVNK	16	NP_149639.1	176R	0.9822
40	2007-09-14-01 2976 2976 3 out	1755.8	0.478	0.54	2.25	911	0	VDV1/VDV1	2	RSSLECYIEPSTSR	15	YP_145791.1	polyprotein	0.9769
62	2007-09-14-01 6236 6236 3 out	2440.2	1.39	0.34	2.23	206	0.693	IV6	1	VIPFESTFKSDIDSLLEQK	21	NP_149647.1	184R	0.9617
18	2007-09-14-01 3320 3320 2 out	1430.8	1.345	0.33	2.21	158	0.693	Nosema	1	NMLEIRNKTSPK	12	ABE26651.1	pol polyprotein	0.9878
81	2007-09-14-01 5222 5222 3 out	2438.2	1.848	0.36	2.18	172	1.095	Nosema	1	VYFYTLVSKDTEEM*YYSRK	20	AAT12293.1	DNA repair helicase RAD25	0.9871
17	2007-09-14-01 3829 3829 2 out	1374.7	0.759	0.34	2.08	368	0	Nosema	1	EVMRIQAESIAK	12	AAT12295.1	phospholipase D	0.9734
37	2007-09-14-01 3948 3948 3 out	1746.6	1.531	0.34	2.08	377	0	IV6	1	EEDVYVDFAHNFVR	14	NP_149731.1	268L	0.9919
22	2007-09-14-01 7235 7235 2 out	1492.9	0.65	0.33	2.06	355	0	Nosema	1	VLDRHLKSKLKK	13	BAF76326.1	heat shock protein 70	0.998
95	2007-09-14-01 6648 6648 3 out	2917.5	1.83	0.41	2.03	209	0	IV6	1	LODM*NTKYHQLPLNKLIDEEAK	25	NP_149917.1	454R	0.9852
87	2007-09-14-01 4547 4547 3 out	2542.1	1.918	0.4	2	264	0	Nosema	1	LPGMIMKESFESOVNVLNKR	22	ABM26981.1	RNA polymerase II largest subunit	0.9704
76	2007-09-14-01 6687 6687 3 out	2320.1	0.268	0.38	1.99	95	1.386	IV6	1	CAKGCCLNFTNHHFKKK	20	NP_149877.1	414L	0.956
48	2007-09-14-01 3375 3375 3 out	1826	0.575	0.4	1.97	438	0	DWV	1	PEMDRILNLAEGLNKK	16	ABM36638.1	polyprotein	0.9908
3	2007-09-14-01 3763 3763 2 out	1143.6	1.707	0.64	1.96	980	0	Nosema	1	LAVNMVFPFR	10	AAAN3516.1	beta-tubulin	0.9955
94	2007-09-14-01 7049 7049 3 out	2854.4	1.18	0.35	1.96	228	0	ABPV/ABPV	2	AGNDOFFTGWLGTPTQGTTRTEK	18	NP_066242.1	capsid protein	0.9698
42	2007-09-14-01 3225 3225 3 out	1776.9	1.284	0.55	1.93	263	0	Nosema	1	MVCECDNRPVKK	15	AAAD12605.1	RNA polymerase II largest subunit	0.9615
97	2007-09-14-01 5684 5684 3 out	3052.4	1.858	0.38	1.93	116	0.693	IV6	1	PIFFFMENDSEYDOELMRLKDLVNR	25	NP_149818.1	355R	0.9636
99	2007-09-14-01 6209 6209 3 out	3091.6	1.939	0.49	1.93	86	1.792	IV6	1	NNVGTNNLNLNDLSTVSIDLOEK	27	NP_149513.1	050L	0.9801
84	2007-09-14-01 5581 5581 3 out	2448.1	0.004	0.48	1.92	141	1.095	IV6	1	EIFGSCGTADVEDSYEEKK	22	NP_149625.1	162R	0.9888
91	2007-09-14-01 3847 3847 3 out	2773.5	1.914	0.5	1.92	136	1.386	KBVKKBVKKBVKKBVK	5	PVTAAGVKWADIVGGVAJFQWSKPR	26	ABM9472.1	VP4 protein	0.9723
104	2007-09-14-01 4994 4994 3 out	3203.6	1.04	0.4	1.91	133	2.197	IV6	1	LKTFNDYRHSLEPQFAVAYDTNNAK	27	NP_149778.1	315L	0.9821
57	2007-09-14-01 5786 5786 3 out	1990.1	0.924	0.41	1.9	175	1.386	VDV1/VDV1	2	TLWADLORVGEISITSVK	18	YP_145791.1	polyprotein	0.9871
78	2007-09-14-01 6445 6445 3 out	2361.3	1.981	0.39	1.9	130	0	Nosema	1	IFGETLDNAVGNCLDKAARILK	22	ABO69714.1	unknown	0.9854
105	2007-09-14-01 6647 6647 3 out	3311.8	1.776	0.45	1.89	157	1.095	Kakugo	1	WGSASDAQVQPTISVPRGELAFLRIDGK	30	YP_015696.1	polyprotein	0.9621
54	2007-09-14-01 3435 3435 3 out	1884	0	0.41	1.88	254	0	Nosema	1	KLDMDGAKYEYSLMGLSK	17	ABM26981.1	RNA polymerase II largest subunit	0.9769
24	2007-09-14-01 4141 4141 2 out	1524.9	1.744	0.44	1.87	637	0	IV6	1	SLGVNVEQLKYNPK	14	NP_149859.1	396L	0.9937
106	2007-09-14-01 6589 6589 3 out	3435.7	0.349	0.39	1.87	119	0	Nosema	1	SIFDLFSEMDKHETANELYAARILK	29	ABAS4170.2	Hypothetical protein C44E2	0.989
44	2007-09-14-01 2057 2057 3 out	1782.9	0.938	0.35	1.86	225	0	SVISV/SVSV	4	PVASTITSEVLVYMR	17	NP_049374.1	polyprotein	0.9669
36	2007-09-14-01 7369 7369 3 out	1737.9	1.946	0.39	1.85	330	0	IV6	1	NGGYPNLETFKVSRR	15	NP_149722.1	259R	0.9993
75	2007-09-14-01 4571 4571 2 out	2250.2	0.707	0.43	1.85	283	0	IV6	1	MNLKFIFPNVDIDNIVKIK	19	NP_149597.1	134L	0.9872
15	2007-09-14-01 1202 1202 2 out	1323.3	0.666	0.49	1.84	194	0	Nosema	1	EEDSEKNDDK	11	ABV48893.1	hypothetical spore wall protein	0.9903
41	2007-09-14-01 2103 2103 3 out	1756	0.604	0.38	1.84	394	0	IV6	1	LMLIKDYFOTSGLVK	15	NP_149891.1	428L	0.981
63	2007-09-14-01 770 770 3 out	2033	0.113	0.38	1.83	110	0.693	KBVKKBV	2	SYEEKM*QOHDKVIR	17	NP_851403.1	non-structural polyprotein	0.9862
12	2007-09-14-01 5649 5649 2 out	1285.7	0.353	0.43	1.82	950	0	IV6	1	EAKQIEKIGNR	17	NP_149612.1	149L	0.973
86	2007-09-14-01 4128 4128 3 out	2497.1	1.413	0.41	1.82	248	0	Nosema	1	M*CVDRALNSVTRDSYM*SPR	23	ABE26654.1	pol polyprotein	0.9864
25	2007-09-14-01 4291 4291 2 out	1557.9	0.183	0.43	1.8	484	0	Nosema	1	M*KLLENNDIKPVK	14	ABV48894.1	hypothetical spore wall protein	0.9953
107	2007-09-14-01 5929 5929 3 out	3490.6	1.16	0.41	1.8	89	0	IV6	1	VYKVDASAPFGGGGQDFM*SVPGTFQSM*VPFR	35	NP_149580.1	117L	0.9874
85	2007-09-14-01 2565 2565 3 out	2458.1	1.243	0.4	1.79	108	0.693	IV6	1	LMILKYDITVDYDCLFACK	22	NP_149635.1	172L	0.9752
32	2007-09-14-01 4153 4153 2 out	1722.9	0.5	0.4	1.78	220	0	IV6	1	MIENRLNRLNFR	13	NP_149761.1	298R	0.9975
1	2007-09-14-01 2767 2767 2 out	1102.6	0.844	0.35	1.77	387	0	IV6	1	ERUCLEALR	9	NP_149585.1	122R	0.9755
80	2007-09-14-01 3851 3851 3 out	2425.2	0.29	0.38	1.77	288	0	IV6	1	HVLDAVAMLASSEGVSVYFNDKK	23	NP_149508.1	045L	0.9631
31	2007-09-14-01 2918 2918 3 out	1711.8	1.185	0.43	1.76	185	0	IV6	1	ESMEQVCEPLKVK	14	NP_149639.1	176R	0.9667
27	2007-09-14-01 3884 3884 2 out	1617.8	1.799	0.39	1.74	367	0	Nosema	1	KFIECDAAHADVX	14	AAC47660.1	mitochondrial-type HSP70	0.9778
77	2007-09-14-01 5857 5857 3 out	2340.3	0.587	0.55	1.74	60	2.398	IV6	1	LMLIKDYFOTSGLVK	21	NP_149851.1	022L	0.965
8	2007-09-14-01 3173 3173 2 out	1186.7	1.609	0.39	1.73	339	0	IV6	1	HHAPKINEK	10	NP_149858.1	395R	0.9853
11	2007-09-14-01 2490 2490 2 out	1233.6	0.208	0.57	1.73	289	0	IV6	1	ENTNPEFAIAK	11	NP_149917.1	454R	0.9971
21	2007-09-14-01 4971 4971 2 out	1446	1.965	0.43	1.73	330	0	IV6	1	KLNLHLLILK	12	NP_149667.1	204L	0.9927
47	2007-09-14-01 1223 1223 3 out	1803.8	1.94	0.38	1.73	98	0	Nosema	1	M*VHSDQDFPEVAERK	16	AAC47660.1	mitochondrial-type HSP70	0.9822
56	2007-09-14-01 4795 4795 2 out	1964.1	1.939	0.62	1.73	67	1.386	Nosema	1	DMVIAIDLEKQFIPGFK	17	ABE27277.1	unknown	0.9826
64	2007-09-14-01 4235 4235 3 out	2040.2	0.427	0.42	1.73	185	0	IV6	1	GHILHFPHLPKPKDK	17	NP_149647.1	184R	0.9989
66	2007-09-14-01 999 999 3 out	2064.2	1.902	0.41	1.69	96	0.693	Nosema	1	RETVELGIPIKEVNPVK	18	ABE26651.1	pol polyprotein	0.9984
73	2007-09-14-01 3457 3457 3 out	2194.1	0.504	0.42	1.69	189	0	IV6	1	NKSHMYDILQSYLYYQK	17	NP_149507.1	044R	0.9741
19	2007-09-14-01 3404 3404 2 out	1431.9	0.25	0.41	1.67	508	0	IV6	1	IVSLSAKPFKVSRR	13	NP_149929.1	466R	0.9857
55	2007-09-14-01 3465 3465 3 out	1962	1.516	0.48	1.67	269	0	Nosema	1	EEQASNLTKDTGLERR	17	ABE26650.1	pol polyprotein	0.982
83	2007-09-14-01 6769 6769 3 out	2440.4	0.175	0.45	1.66	264	0	IV6	1	LYNNIQNLKFKVLHTPSK	21	NP_149668.1	205R	0.9699
68	2007-09-14-01 2394 2394 3 out	2079	0.345	0.48	1.64	339	0	Nosema	1	MEPDIKSLCVNHQVQNSH	18	ABE27267.1	unknown	0.9776
89	2007-09-14-01 4662 4662 3 out	2620.2	0.627	0.4	1.63	121	1.095	ABPV	1	SGMTVPLADLNLSLLDNVDEM*P	24	NP_066241.1	replicase polyprotein	0.9635
4	2007-09-14-01 3956 3956 2 out	1153.6	0.437	0.44	1.61	220	0	Nosema	1	TPSTVTFGDK	11	AAC47660.1	mitochondrial-type HSP70	0.9946
46	2007-09-14-01 3521 3521 3 out	1796.9	0.149	0.46	1.6	263	0	MSCUT	1	PKEQYIPPELPNDEK	15	ABO96192.1	vasa	0.9877
74	2007-09-14-01 2631 2631 3 out	2195	0.863	0.39	1.6	122	0	IV6	1	PNFAGNINVEDITYESIMK	19	NP_149675.1	212L	0.9578
101	2007-09-14-01 6548 6548 3 out	3129.6	1.974	0.42	1.6	205	0	DWV/DWV/DWV/DWV/Kakugo/VDV1	7	PIIGHIVAGTEGLHGFVGAELVHEMFTGK	31	NP_853560.2	polyprotein	0.9766
69	2007-09-14-01 5708 5708 3 out	2083.1	1.078	0.45	1.58	144	1.609	Nosema	1	FSILLKIFSPFNIDVDK	18	ABE27268.1	unknown	0.9903
88	2007-09-14-01 5324 5324 2 out	2609.4	0.885	0.42	1.58	95	0.693	IV6	1	MRLQFLDLPQSM*NIHRLPLTK	23	NP_149739.1	276L	0.9892
13	2007-09-14-01 2265 2265 2 out	1288.8	1.302	0.45	1.56	129	0	IV6						



Test 11																		
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA ID#	Protein	PP					
17	2007-09-14-02 4499 4499 2 out	1457.9	0.51	0.54	3.13	1244	0	Nosema/Nosema/Nosema	5	IAQVSSISATSLR	14	AAZ23550.1	alpha-tubulin	0.9878				
3	2007-09-14-02 3669 3669 2 out	1143.6	1.657	0.72	3	846	0	Nosema/Nosema	2	LAVNMVPPFR	10	AAN35161.1	beta-tubulin	0.9854				
40	2007-09-14-02 3744 3744 2 out	1790.9	0.37	0.66	2.89	546	0	Nosema	1	SYELPDGQVQIGSER	16	AAB86863.1	actin	0.9681				
19	2007-09-14-02 4835 4835 2 out	1614.9	1.273	0.51	2.67	579	0	IV6	1	TLTKVQNIIEK	14	NP 149513.1	050L	0.9603				
22	2007-09-14-02 3717 3717 3 out	1670.8	0.292	0.34	2.66	555	0	IV6	1	EMLDLRLMMDMK	14	NP 149463.1	468L	0.9593				
7	2007-09-14-02 1574 1574 2 out	1171.6	0.581	0.63	2.42	717	0	Nosema	1	HKGVMVGMGQK	11	AAB86863.1	actin	0.9861				
2	2007-09-14-02 3148 3148 2 out	1130.6	0.041	0.35	2.41	771	0	Nosema/Nosema/Nosema	14	FPQQLNADLR	10	AAZ23552.1	beta-tubulin	0.974				
14	2007-09-14-02 3837 3837 2 out	1268.6	1.782	0.37	2.32	616	0.693	IV6	1	DKMQIVVEDK	10	NP 149676.1	213R	0.9793				
118	2007-09-14-02 5885 5885 3 out	3092.5	0.582	0.57	2.21	263	0	VDDV1	2	DNEFLMEQLNNLYTISAECTRR	25	YP 145791.1	polyprotein	0.9644				
15	2007-09-14-02 3690 3690 2 out	1401.8	0.782	0.42	2.17	434	0	IV6	1	ELNLLNTNENK	12	NP 149803.1	340R	0.9764				
26	2007-09-14-02 1127 1127 3 out	1679.9	0.792	0.3	2.11	392	0	IV6	1	SLHVLTPGEAQMIR	15	NP 149625.1	162R	0.9571				
94	2007-09-14-02 4439 4439 3 out	2433.2	1.418	0.31	2.06	356	0	IV6	1	KTGSITRLLEWMGYSGEYK	21	NP 149883.1	420R	0.9779				
9	2007-09-14-02 4259 4259 2 out	1215.6	0.782	0.47	2.04	83	1.386	IV6	1	DLDLNKNLR	10	NP 149879.1	416R	0.986				
93	2007-09-14-02 4966 4966 3 out	2389.1	1.62	0.29	2.02	355	0	IV6	1	GADDKNIYEM*FEQLGDVSVNJK	22	NP 149605.1	142R	0.9662				
4	2007-09-14-02 3393 3393 2 out	1159.6	1.727	0.48	2	671	0	Nosema/Nosema	2	LAVNMVPPFR	11	AAN35161.1	beta-tubulin	1				
68	2007-09-14-02 6934 6934 3 out	2057.0	0.576	0.3	2	190	0	Nosema	1	EVSVSNHIGTYNAALCSK	20	AAT72743.1	translation elongation factor 2	0.9651				
92	2007-09-14-02 4046 4046 3 out	2382.3	1.76	0.31	1.99	253	0	IV6	1	M*IEPLWNKINADQDVLIK	21	NP 149714.1	251L	1				
78	2007-09-14-02 4192 4192 3 out	2136	1.052	0.54	1.97	415	0	Nosema	1	PSESENMGPQITQSIRFK	19	ABE26653.1	pol polyprotein	0.9846				
1	2007-09-14-02 2921 2921 1 out	700.5	1.007	0.19	1.96	420	0	Nosema	1	VXIDMK	6	ABM26977.1	RNA polymerase II largest subunit	1				
5	2007-09-14-02 1991 1991 2 out	1164.6	1.387	0.39	1.94	210	0	Nosema	1	LKDCNCLDLK	10	ABE26649.1	pol polyprotein	0.9548				
6	2007-09-14-02 3299 3299 2 out	1166.6	1.05	0.5	1.93	252	0	IV6	1	LNISM*KESTK	11	NP 149681.1	218R	0.9576				
11	2007-09-14-02 3659 3659 2 out	1229.6	1.918	0.46	1.92	230	1.099	Nosema/Nosema	2	ISDQFSVMFR	10	AAN35161.1	beta-tubulin	1				
21	2007-09-14-02 3719 3719 3 out	1668	0.44	0.3	1.92	586	0	Nosema	1	IKVIVQEVQIDILEK	14	ABE27269.1	unknown	0.9598				
31	2007-09-14-02 5505 5505 3 out	1717	1.428	0.3	1.91	286	0	IV6	1	TLIFKTKIDYSFK	14	NP 149716.1	253L	0.962				
91	2007-09-14-02 4311 4311 3 out	2337.1	0.189	0.41	1.91	258	0	IV6	1	NKSPILLNESEKMMSEMLPMK	20	NP 149523.1	060L	0.9658				
44	2007-09-14-02 3382 3382 3 out	1827.9	1.201	0.29	1.9	341	0	IV6	1	ENKNLIPDTPPLSK	16	NP 149750.1	287R	0.9675				
62	2007-09-14-02 5254 5254 3 out	1990.2	0.902	0.57	1.9	146	1.792	Nosema	1	IEGIVGKGVLTGRVHIK	19	ABE26648.1	pol polyprotein	0.9887				
61	2007-09-14-02 6243 6243 3 out	1989	1.616	0.44	1.89	245	0	IV6	1	SNIDYSLIHOHSRNNK	17	NP 149691.1	228L	0.9886				
103	2007-09-14-02 6212 6212 3 out	2657.2	0.912	0.5	1.89	199	0	Nosema	1	FSHDSNLFYGSTAGDVINDIR	24	ABO69725.1	unknown	0.9749				
27	2007-09-14-02 850 850 3 out	1685.9	0.897	0.29	1.87	216	0	IV6	1	TLTVYGGTSLSEEFK	15	NP 149813.1	350L	0.9551				
71	2007-09-14-02 5441 5441 3 out	2070.1	0.325	0.33	1.87	155	1.099	Nosema	1	ITLVLKWWYKCMNTSR	17	ABV48890.1	hypothetical spore wall protein	0.9954				
106	2007-09-14-02 5127 5127 3 out	2754.8	0.4	0.55	1.86	315	0.693	IV6	1	VTLLLLIALLLLLFM*KVCKQK	25	NP 149679.1	216R	0.9776				
73	2007-09-14-02 4856 4856 3 out	2075.9	1.16	0.34	1.83	943	0	Nosema	1	FNEQCGREM*EVLMSMKK	18	ABV48900.1	hypothetical spore wall protein	0.9542				
125	2007-09-14-02 6207 6207 3 out	3427.5	1.331	0.4	1.83	208	0	ABPV/ABPV	2	TENDITQITNTEVDAPCEYYCNMFSSYYR	29	AAL05519.1	capsid polyprotein	0.9343				
97	2007-09-14-02 6162 6162 3 out	2618	0.648	0.34	1.82	291	0	MSCUT	1	OGDONNDYEDNDYQDNRNDRR	21	ABQ36192.1	vasa	0.9885				
79	2007-09-14-02 5705 5705 3 out	2154	0.419	0.4	1.81	288	0.693	IV6	1	FDHYHLDFWAAFTPAASK	18	NP 149737.1	274L	0.9886				
10	2007-09-14-02 4150 4150 2 out	1222.6	0.647	0.47	1.8	322	0	IV6	1	NNKDLKFDTK	10	NP 149612.1	149L	0.9692				
42	2007-09-14-02 3831 3831 3 out	1800	1.054	0.44	1.8	180	0.693	IV6	1	TSSKMFFLLGLLNSNK	16	NP 149870.1	407R	0.986				
70	2007-09-14-02 1624 1624 3 out	2068.1	1.794	0.54	1.79	126	0	KBV	1	VSIGTNVYSQDWSKTVRK	18	AAF21998.1	RNA polymerase	0.9665				
33	2007-09-14-02 1428 1428 3 out	1745.8	1.517	0.46	1.78	351	0	IV6	1	NSFHSTKNFNM*MK	16	NP 149543.1	080L	0.9921				
16	2007-09-14-02 1300 1300 2 out	1408.9	0.794	0.45	1.77	144	0	Nosema	1	VM*UGIVSKKK	13	ABM26979.1	RNA polymerase II largest subunit	0.9702				
72	2007-09-14-02 5510 5510 3 out	2075.1	0.704	0.4	1.77	274	0.693	Nosema	1	SVGVVHHGRQQYPAAEVLK	19	AAB62548.1	glutaminyl-tRNA synthetase	0.9983				
37	2007-09-14-02 1752 1752 3 out	1774.9	1.964	0.51	1.73	158	0	IV6	1	QKNIEVRM*INFPNR	15	NP 149714.1	251L	0.9699				
104	2007-09-14-02 6038 6038 3 out	2697.5	1.181	0.42	1.73	169	0	IV6	1	EFKISIGSVSYVMSSLHFVILK	24	NP 149927.1	464R	0.991				
110	2007-09-14-02 6270 6270 3 out	2796.3	0.486	0.34	1.73	151	1.099	Nosema	1	GRALM*WYRAHEEEFTSYMVFK	23	ABE26648.1	pol polyprotein	0.9837				
90	2007-09-14-02 5832 5832 3 out	2336.2	0.495	0.47	1.72	245	0	Nosema	1	MYWAKKILEWSVSEPEALR	19	AAU11091.1	class-II photolyase	0.9695				
24	2007-09-14-02 3315 3315 3 out	1675.8	0.406	0.37	1.7	196	0	Nosema	1	TFEAWKGLYEYNR	14	ABE26653.1	pol polyprotein	0.9841				
87	2007-09-14-02 5819 5819 3 out	2303.2	1.707	0.39	1.7	250	0.5	IV6	1	VMNMATTFGHILARVVEPPR	20	AAL79021.1	AF46950.1 polyprotein	0.993				
112	2007-09-14-02 6218 6218 3 out	2843.5	0.956	0.54	1.7	193	0	IAPV/ABPV	2	WTLLLLKYDIAPISTNSRGMPR	24	YP 01040002.1	polymerase polyprotein	0.998				
35	2007-09-14-02 5327 5327 3 out	1754	0.458	0.34	1.69	287	0	IV6	1	NEIKKIFSLHHFK	14	NP 149837.1	374R	0.9798				
119	2007-09-14-02 6152 6152 3 out	3127.6	0.119	0.33	1.69	318	0	VDDV1	2	HVYFPLTRVVDWITGLDM*GTLNIR	28	YP 145791.1	polyprotein	0.9667				
29	2007-09-14-02 6550 6550 3 out	1712.9	0.928	0.32	1.67	327	0	IV6	1	QALLNTAGSSIM*YLSK	17	NP 149618.1	155L	0.9825				
52	2007-09-14-02 6336 6336 3 out	1905	0.012	0.6	1.67	58	2.197	Nosema	1	GLCYLIPSPESIDFK	16	ABO69713.1	Sec61alpha	0.9573				
74	2007-09-14-02 5661 5661 3 out	2076.8	0.917	0.35	1.67	224	1.386	IV6	1	TSLEYDEFM*EM*VEK	19	NP 149612.1	149L	0.9829				
45	2007-09-14-02 6898 6898 3 out	1833.9	0.544	0.36	1.66	139	0.693	IV6	1	RSEYVYSLFGKENNK	15	NP 149527.1	064L	0.9687				
63	2007-09-14-02 2098 2098 3 out	2002	1.958	0.35	1.66	195	0.693	IV6	1	ENAWM*EESM*KLFLIK	18	NP 149578.1	115R	0.9974				
76	2007-09-14-02 6104 6104 2 out	2085.1	0.413	0.49	1.66	105	1.386	IV6	1	NGFLDVLDKLHEESILK	18	NP 149859.1	396L	0.9813				
56	2007-09-14-02 5973 5973 3 out	1948.9	1.071	0.47	1.65	157	0.693	Nosema	1	TECEDEAGCGNKOPVKK	18	ABM26980.1	RNA polymerase II largest subunit	0.9785				
8	2007-09-14-02 890 890 2 out	1198.7	0.414	0.46	1.64	183	0	IV6	1	IKINIYHIGK	10	NP 149921.1	458R	0.9882				
34	2007-09-14-02 5094 5094 3 out	1752	1.644	0.46	1.62	129	1.386	KBV/KBV/KBV/KBV/KBV/KBV	6	TAANGIERIPVLGEIAK	17	ABN49472.1	VP4 protein	0.9785				
113	2007-09-14-02 6180 6180 3 out	2856.3	1.192	0.42	1.62	224	1.099	Nosema/Nosema/Nosema	9	GGPYGELFRPDNFVFGSGAGNNWAK	26	AAZ23552.1	beta-tubulin	0.9845				
13	2007-09-14-02 3153 3153 2 out	1264.7	1.496	0.51	1.61	309	0	IV6	1	INGLIDISEYK	11	NP 149758.1	295L	1				
69	2007-09-14-02 3642 3642 3 out	2064.1	0.191	0.38	1.61	110	1.609	IV6	1	LEELKLYEYSLYFK	16	NP 149851.1	388R	0.972				
18	2007-09-14-02 3203 3203 2 out	1485.9	0.272	0.47	1.6	429	0	Nosema	1	SRLLTFIPLNR	12	AAT12296.1	chromosome segregation protein	0.9847				
23	2007-09-14-02 6675 6675 3 out	1672.8	0.493	0.42	1.6	222	0	IV6	1	VNDEKIDVYGEVHR	14	NP 149485.1	022L	1				
38	2007-09-14-02 2946 2946 3 out	1782	0.319	0.54	1.58	272	0	ABPV	1	GLEISRIAEKLPK	16	NP 066241.1	replicase polyprotein	0.9886				
49	2007-09-14-02 3839 3839 3 out	1881.9	0.611	0.39	1.58	150	0	IV6	1	MINVPLDGNM*FVIGR	18	NP 149695.1	232R	0.9786				
48	2007-09-14-02 1414 1414 3 out	1840.9	0.445	0.43	1.57	220	0	Nosema	1	IYDISNDVRRAM*EK	16	ABO69724.1	unknown	0.9942				
59	2007-09-14-02 6532 6532 3 out	1951	1.069	0.49	1.56	235	0	IV6	1	EEILCTKKEQNIDMEK	16	NP 149803.1	340R	0.9549				
100	2007-09-14-02 6845 6845 3 out	2634.4	1.612	0.39	1.56	211	0	IV6	1	TYPQLSM*DFTRPMTKSLFLK	23	NP 149902.1	439L	0.9928				
30	2007-09-14-02 1078 1078 3 out	1716.7	1.503	0.45	1.55	189	0	IV6	1	M*NEKGVYGGGAQDPR	17	NP 149867.1	404L	0.9782				
102	2007-09-14-02 5416 5416 3 out	2653.4	1.455	0.34	1.55	195	0	BQCV	1	VKFAITHVSRML*LNHVQCDAK	24	NP 620565.1	structural polyprotein	0.9572				
83	2007-09-14-02 6099 6099 3 out	2237	1.531	0.41	1.54	295	0	IV6	1	VIE DM*IGDNLNDKM*DNK	21	NP 149647.1	1					







## Test 13!

Sr No	File Name	(M+H)	PM	Cn	XCorr	S	Rsp	Reference	No	Peptide	AA	Id#	Protein	PP
28	2007-09-14-05 4318 2 out	1457.9	0.55	0.83	4	1018	0	Nosema Nosema Nosema	5	IAQGVSSITASLR	14	AAZ23550 1	alpha-tubulin	0.9971
9	2007-09-14-05 3546 2 out	1143.6	1.684	0.6	3	1765	0	Nosema Nosema	2	LAVNMVPPFR	10	AAH35161 1	beta-tubulin	0.9335
18	2007-09-14-05 3826 2 out	1285.7	0.698	0.37	2.64	1014	0	IV V6	1	EAQKIEKIGNR	11	NP 149612 1	149L	0.9346
21	2007-09-14-05 2718 2 out	1344.7	1.595	0.28	2.34	424	0	IV V6	1	ENENNLEIK	11	NP 149776 1	313L	0.9887
29	2007-09-14-05 2949 2 out	1475.6	0.801	0.32	2.21	718	0	IV V6	1	EMNNITCSSGYLTR	13	NP 149930 1	467R	0.9777
17	2007-09-14-05 3469 3 out	1270.8	0.764	0.26	2.17	443	0	Nosema	1	ININTVKEVLK	11	ABV48897 1	hypothetical spore wall protein	0.9735
19	2007-09-14-05 3498 2 out	1329.8	1.631	0.37	1.26	238	0	IV V6	1	VEKGLSISQIKK	12	NP 149608 1	145L	0.9832
36	2007-09-14-05 2926 2 out	1755.8	0.215	0.53	2.08	583	0	VDV1 VDV1	2	RSSLECQYIEPTSR	12	YP 145791 1	polyprotein	0.9732
22	2007-09-14-05 3226 2 out	1359.7	1.769	0.38	2.07	326	0	IV V6	1	MISHDLKFLQK	11	NP 149902 1	439L	0.9966
2	2007-09-14-05 2613 2 out	1103.5	1.959	0.49	2.05	385	0	BQCV BQCV BQCV BQCV	4	YDQYDPFR	8	ABC95162 1	structural polyprotein	0.994
3	2007-09-14-05 2494 2 out	1109.6	0.651	0.26	2.05	292	0	SV SV SV	3	TYTKLEAR	9	AAL79021 1	AF49603 1 polyprotein	0.9946
5	2007-09-14-05 4784 2 out	1122.5	0.927	0.46	2	381	0	IV V6	1	SLMGNCPSVSK	11	NP 149555 1	092R	0.9985
26	2007-09-14-05 3403 2 out	1406.8	0.45	0.45	2	167	0	ABPV	1	VLTLNYKICLVK	12	NP 066241 1	replicase polyprotein	0.9545
43	2007-09-14-05 3431 3 out	1829.9	1.424	0.47	2	177	0.999	IV V6	1	DIPDFITRSEYKSMK	11	NP 149530 1	067R	0.9504
38	2007-09-14-05 3455 3 out	1773.9	0.668	0.39	1.96	284	0.693	IV V6	1	TLQYKSGFDEETR	15	NP 149709 1	246L	0.9648
4	2007-09-14-05 3029 2 out	1116.6	0.697	0.43	1.94	289	0	IV V6	1	CVSNRLSIPK	10	NP 149592 1	129R	1
50	2007-09-14-05 5777 3 out	2051	1.207	0.41	1.94	300	0	Nosema	1	HSSPYHPQSGSLAERTNR	18	ABE26649 1	pol polyprotein	0.9667
15	2007-09-14-05 3622 3 out	1205.7	0.589	0.39	1.92	270	0	IV V6	1	VDVSTQTKVM	11	NP 149655 1	192R	0.9965
1	2007-09-14-05 2920 2 out	700.5	1.082	0.19	1.89	429	0	Nosema	1	VXDIK	6	ABM26977 1	RNA polymerase II largest subunit	1
45	2007-09-14-05 3649 3 out	1881.9	1.633	0.39	1.88	228	0.693	IV V6	1	MINVPLDGNCK+FSVIGR	18	NP 149695 1	232R	0.9831
25	2007-09-14-05 3069 3 out	1389.7	0.524	0.59	1.87	372	0	VDV1 VDV1	2	NVLIECKANEK	12	YP 145791 1	polyprotein	0.9942
52	2007-09-14-05 7122 3 out	2057.1	0.504	0.37	1.86	185	0	IV V6	1	IDADLQGNMG+VEIKALK	20	NP 149618 1	155L	0.9923
16	2007-09-14-05 3693 3 out	1268.6	0.249	0.38	1.82	560	0	IV V6	1	DKMGQYVEDK	10	NP 149676 1	213R	0.9917
7	2007-09-14-05 3507 3 out	1134.6	0.734	0.33	1.81	347	0	IAPV IAPV	2	VQKNNPSPGYK	10	YP 001040003 1	structural polyprotein	0.9952
34	2007-09-14-05 3066 3 out	1696	1.281	0.43	1.81	133	0	IV V6	1	TVIERIASVLRITPK	10	NP 149758 1	295L	0.9516
20	2007-09-14-05 3631 3 out	1333.8	0.245	0.47	1.73	297	0	SV	1	VERLSTILTSSK	12	AA745736 1	structural polyprotein	0.9721
44	2007-09-14-05 6981 3 out	1840.9	0.345	0.37	1.73	198	0	IV V6	1	GLVCPDLSLSSLSGEYAR	18	NP 149513 1	050L	0.9881
30	2007-09-14-05 3255 3 out	1532.8	0.534	0.42	1.72	403	0	Nosema	1	M+DAPDLRELIK	14	AAF03091 1	AF144035 1 transcription initiation factor TFIID	0.9984
12	2007-09-14-05 694 2 out	1177.6	0.405	0.37	1.71	192	0	IV V6	1	YFLM+VTFLK	10	NP 149607 1	144R	0.9963
24	2007-09-14-05 2525 2 out	1371.7	0.507	0.42	1.69	199	0	ABPV ABPV ABPV	3	KNNPKNMTTPVK	12	AAU05919 1	capsid polyprotein	0.9947
33	2007-09-14-05 821 2 out	1679.8	1.913	0.44	1.68	207	0	Nosema	1	NKANSDNM+KHGYER	15	AAU11092 1	unknown	0.9586
35	2007-09-14-05 3798 3 out	1710.9	1.837	0.5	1.68	498	0	IV V6	1	KLDSVEDRAPQPK	15	NP 149463 1	468L	0.9746
37	2007-09-14-05 2580 2 out	1763.9	1.714	0.41	1.67	269	0	IV V6	1	GSSPALYAECSNLGGK	18	NP 149665 1	202L	0.9579
40	2007-09-14-05 2421 2 out	1786	0.108	0.42	1.67	218	0	Nosema	1	FYSPLIKNSFELIK	15	ABE27277 1	unknown	0.9512
6	2007-09-14-05 3934 3 out	1125.6	1.713	0.5	1.66	336	0	IV V6	1	NFFLENTLK	9	NP 149902 1	439L	0.9806
54	2007-09-14-05 2863 2 out	2230.3	0.935	0.45	1.62	254	0	ABPV	1	IAVKTAFHTGRLGIFGGPGK	21	NP 066242 1	capsid protein	0.9942
41	2007-09-14-05 936 3 out	1802	0.372	0.48	1.61	231	0	IV V6	1	KQYITLSDIHLVLLR	15	NP 149508 1	045L	0.9915
14	2007-09-14-05 3150 3 out	1203.7	1.625	0.41	1.6	321	0	Nosema	1	QIGDYTLR	10	ABE26651 1	pol polyprotein	0.9986
49	2007-09-14-05 2121 2 out	2011.1	0.636	0.41	1.58	255	0	Nosema	1	VSPVSM+AVGLEKAPDNPDK	20	ABO69717 1	unknown	0.9959
39	2007-09-14-05 2331 2 out	1775.8	1.137	0.54	1.56	157	0	IV V6	1	SCFNRLNTCPM+CRSK	16	NP 149620 1	157L	0.9579
10	2007-09-14-05 3421 2 out	1156.7	0.702	0.42	1.55	273	0	Nosema	1	NAIEELINK	10	ABE26653 1	pol polyprotein	0.998
53	2007-09-14-05 5521 3 out	2103.2	1.711	0.4	1.53	303	0	IV V6	1	LKHCLKYDVSVAVFPELK	18	NP 149891 1	428L	0.9705
55	2007-09-14-05 4432 3 out	2675.5	0.127	0.55	1.51	113	0.693	IV V6	1	VEMLKLQIKM+GLYHIELNNF	23	NP 149919 1	456R	0.994
42	2007-09-14-05 2717 2 out	1812.9	1.986	0.45	1.5	186	0.693	IV V6	1	IKQALYEYTEDNIGR	15	NP 149792 1	982R	0.9823

## Test 14 |

Sr No	File Name	(M+H)	M	C	XCon	Sp	RSP	Reference	No	Peptide	AA	Dw	Protein	PP
30	2007-09-14-18 3563 3563 2 out	1790 9	0.302	0.66	3.13	667	0	Nosema	1	SYELPDGQVQKIGSER	16	AAB86863	actin	0.9986
18	2007-09-14-18 3517 3517 3 out	1668	1.629	0.39	2.9	1020	0	Nosema	1	IKVIGEVDIDLEK	14	ABE27269	unknown	0.9704
16	2007-09-14-18 6119 6119 2 out	1614 9	1.376	0.3	2.82	482	0	IV6	1	TLTKVQINIEK	14	NP_149513	050L	0.9554
7	2007-09-14-18 715 715 2 out	1171 6	0.43	0.64	2.63	667	0	Nosema	1	HKGVVMVGMGQK	14	NP_AAB86863	actin	0.9925
2	2007-09-14-18 918 918 1 out	715 4	1.119	0.08	2.48	378	0	IV6	1	NIIDK	6	NP_149495	032R	1
10	2007-09-14-18 3426 3426 2 out	1302 8	0.552	0.28	2.48	1098	0	IV6	1	MLINCLQKVK	11	NP_149723	260R	0.9954
24	2007-09-14-18 3640 3640 3 out	1746 8	1.451	0.4	2.39	678	0	IV6	1	EEDVYDFANFIVR	14	NP_149731	268L	1
4	2007-09-14-18 2975 2975 2 out	1130 6	0.482	0.41	2.29	591	0	NosemaNosemaNosemaNosemaNosema	14	FPGLNADLR	10	AA273552	beta-tubulin	0.9981
29	2007-09-14-18 3559 3559 3 out	1785 9	0.522	0.42	2.28	415	0	Nosema	1	ADGMKIEEFNKQTM*K	16	ABV48897	hypothetical spora wall protein	0.9925
51	2007-09-14-18 3687 3687 3 out	2185	0.379	0.48	2.26	1369	0	Nosema	1	SEWGRYTSMTCPKSLASR	20	AA172294	beta transducin repeat containing protein-lik	0.9748
14	2007-09-14-18 2875 2875 2 out	1515 7	0.461	0.56	2.19	384	0	Nosema	1	IWHHTFYNELR	11	ABAB8663	actin	0.9921
11	2007-09-14-18 1630 1631 2 out	1344 7	0.589	0.36	2.12	275	0	IV6	1	IENENLIEEK	11	NP_149776	313L	0.9627
15	2007-09-14-18 3761 3761 2 out	1524 9	1.248	0.33	2.11	772	0	IV6	1	SLGVVNEQLKVNPK	14	NP_149859	396L	0.9955
55	2007-09-14-18 3532 3532 3 out	2432	1.567	0.35	2.1	331	0	Nosema	1	TMRKIEDAEAYHFEISDHK	20	AB069719	unknown	0.9642
54	2007-09-14-18 4931 4931 3 out	2425 2	0.176	0.4	2.08	216	0	IV6	1	HVLDVAM*LASSEGVSVFYNDKK	23	NP_149508	045L	1
1	2007-09-14-18 2685 2685 1 out	700 5	0.993	0.2	2.03	423	0	Nosema	1	IVDIIK	6	ABM26977	RNA polymerase II largest subunit	0.9884
61	2007-09-14-18 3888 3888 3 out	2927 6	1.148	0.48	1.99	126	0	IV6	1	QLVTYHHTMLKVIIQRELWIMFK	23	NP_149894	431L	0.9915
6	2007-09-14-18 3483 3483 2 out	1143 6	1.497	0.59	1.97	840	0	NosemaNosema	1	LAVIMVPFPR	20	AAAN35161	beta-tubulin	0.9988
49	2007-09-14-18 6009 6009 3 out	2075 9	0.98	0.36	1.96	938	0	Nosema	1	FHEQCGREM*EVLMSMKK	18	ABV48900	hypothetical spore wall protein	0.9702
34	2007-09-14-18 2901 2902 3 out	1849	1.082	0.58	1.95	249	0	IV6	1	LDSKRTGLIMDFNMPK	16	NP_149642	179R	0.9755
33	2007-09-14-18 6633 6633 3 out	1848	1.501	0.51	1.91	348	0	IV6	1	IMQLSNAAKDVGMKIAK	17	NP_149639	176R	0.9989
22	2007-09-14-18 6097 6097 3 out	1689 9	0.097	0.49	1.9	249	0	IV6	1	TITEFDPSPYSKKK	15	NP_149687	224L	0.9908
32	2007-09-14-18 3196 3197 3 out	1824	0.493	0.44	1.9	154	0	Nosema	1	DEIKILGNVSKGYFK	16	ABE26653	pol:polyprotein	0.9905
40	2007-09-14-18 6642 6642 3 out	1939 1	1.781	0.45	1.89	82	0.693	Nosema	1	YHKLINPNPVLFDIDK	16	ABE26651	pol:polyprotein	0.9529
28	2007-09-14-18 5106 5106 3 out	1782 9	0.757	0.42	1.88	346	0	IV6	1	ITITAGNACM*SHTKLLK	18	NP_149843	380R	0.9589
19	2007-09-14-18 6221 6221 3 out	1671 9	0.977	0.41	1.83	202	1.099	IV6	1	DATNLTKIVTNDYK	14	NP_149889	426R	0.9888
12	2007-09-14-18 3599 3599 2 out	1377 7	0.757	0.37	1.82	137	0	IV6	1	INENNSVGRQTMK	12	NP_149530	067R	0.988
26	2007-09-14-18 4531 4531 3 out	1767 9	1.834	0.39	1.82	300	0	DWVVDWV						



Test 15

Sr No	File Name	(M+H)	*M	*C	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
14	2007-09-04-18 3679 3679 2 out	1614 9	1.556	0.39	2.96	705	0	0	0	1	ILTKVQVQHNIK	14	NP_149513.1	050L	0.9771
35	2007-09-04-18 3050 3050 3 out	2754 8	0.779	0.61	2.7	312	0	0	0	1	VTLLLLIAVLLLLIFM*KVKCKQK	25	NP_149679.1	216R	0.995
10	2007-09-04-18 4146 4146 3 out	1538 7	1.054	0.36	2.49	565	0	Nosema	1	SM*GVVGTGSPGTM*AVR	18	AA112294.1	beta transducin repeat containing protein-like	1	
16	2007-09-04-18 2371 2371 3 out	1630 8	0.522	0.32	2.35	577	0	0	0	1	QENMLIESHNM*LR	14	NP_149463.1	468L	0.9826
13	2007-09-04-18 3366 3366 3 out	1614 8	1.889	0.35	2.3	498	0	Nosema	1	1AQENGVSSEAINELK	15	ABE26652.1	pol polyprotein	0.9912	
37	2007-09-04-18 3583 3583 3 out	2855 4	0.73	0.46	2.29	408	0	Nosema	1	NNYSDFVM*LLDIYGGWEKTLFDK	24	ABO69722.1	unknown	0.9739	
33	2007-09-04-18 3108 3108 3 out	2670 3	1.474	0.53	2.28	234	0	0	0	1	ENSRVFLDYMYVYDNISVFFAK	22	NP_149692.1	229L	0.9537
24	2007-09-04-18 2590 2590 2 out	1820 8	0.357	0.52	2.19	208	0	Nosema	1	YM*ANLSLKFGESDSK	17	AAF91269.1	20S proteasome alpha 5 subunit	0.9984	
7	2007-09-04-18 2046 2046 3 out	1427 8	1.802	0.43	1.98	211	0	Nosema	1	PLDRNTVLSVAR	13	AAL28055.1	AF406785.4 pyruvate dehydrogenase E1 beta subunit	0.9854	
22	2007-09-04-18 2270 2270 3 out	1808 9	0.036	0.39	1.94	125	0.693	Nosema	1	LIEAGYNSVEALAYAPK	17	AAK68858.1	DNA repair protein	0.9957	
29	2007-09-04-18 3373 3373 3 out	2299 3	1.872	0.41	1.87	334	0	0	0	1	VRIPSVTLTSTNQFANGRIR	21	NP_149737.1	274L	0.9858
38	2007-09-04-18 3378 3378 3 out	2947 4	1.407	0.54	1.79	183	0	Nosema	1	LTHKSTSSNSVPANVNGDSGNGPMKDDK	29	ABE26649.1	pol polyprotein	0.9605	
8	2007-09-04-18 2009 2009 3 out	1524 7	1.616	0.39	1.71	143	0.693	0	0	1	FLHEKMFQDSK	12	NP_149891.1	428L	0.9963
17	2007-09-04-18 2870 2870 2 out	1677 9	0.092	0.4	1.71	429	0	0	0	1	SIVEVSQYLKELGGR	15	NP_149500.1	037L	0.965
4	2007-09-04-18 2584 2584 2 out	1285 7	1.188	0.53	1.69	1173	0	0	0	1	EAQKIEKIGNR	11	NP_149612.1	149L	0.9979
9	2007-09-04-18 2566 2566 2 out	1524 9	0.655	0.52	1.66	734	0	0	0	1	SLGVVNEQLKVNPK	14	NP_149859.1	396L	0.993
26	2007-09-04-18 4169 4169 3 out	1939 1	1.088	0.42	1.65	71	2.303	Nosema	1	YHKLNNPKVFLIDPK	16	ABE26651.1	pol polyprotein	0.9943	
2	2007-09-04-18 1659 1659 2 out	1103 5	0.08	0.43	1.64	325	0	BQCVCBQCVI	4	YDQYDPFR	8	ABC95162.1	structural polyprotein	0.9909	
30	2007-09-04-18 2351 2351 3 out	2303 2	1.3	0.44	1.63	140	0	SV	1	VMMNMTTFGLHARVYVEPR	20	AAL79021.1	AF46903.1 polyprotein	0.9578	
21	2007-09-04-18 2159 2159 3 out	1755 8	0.434	0.41	1.62	944	0	VDV1/VDV1	2	RSSLECCQYIEPSTR	15	YP_145791.1	polyprotein	0.9971	
19	2007-09-04-18 3895 3895 3 out	1725 8	1.037	0.4	1.58	174	0	Nosema	1	PKELVTSDENM*KYR	15	ABY49795.1	hypothetical spore wall protein 13	0.9595	
15	2007-09-04-18 2065 2065 3 out	1623 9	1.28	0.57	1.56	232	0	0	0	1	LWIAEIAKTSK	14	NP_149500.1	037L	0.9737
36	2007-09-04-18 2669 2669 3 out	2794 4	0.084	0.53	1.54	219	0	0	0	1	YFGAYLCKNEKTSITEMATIELR	24	NP_149672.1	209R	0.9547
6	2007-09-04-18 1967 1967 3 out	1353 7	0.307	0.42	1.53	144	0.693	SV	1	YPPIDYVSMR	11	AAU10096.1	nonstructural protein	0.9883	
1	2007-09-04-18 2131 2131 2 out	1070 6	0.9	0.41	1.5	462	0	0	0	1	LLWDWLPK	8	NP_149515.1	052R	0.9836
5	2007-09-04-18 4223 4223 3 out	1292 7	1.365	0.45	1.5	197	0	ABPV	1	KVDVNVAFGESK	12	NP_066241.1	replicase polyprotein	0.9738	

Test 15A

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
16	2007-09-04-19 3171 3171 2 out	1790 9	0.354	0.55	2.86	481	0	Nosema	1	SYELPDGQVQIKGSR	16	AAB86863.1	actin	0.9871	
11	2007-09-04-19 4601 4601 2 out	1634 8	1.166	0.3	2.48	324	0.693	IAPV/IAPV	2	AFETLGTFTYDELK	14	YP_001040002.1	polymerase polyprotein	0.9898	
9	2007-09-04-19 3902 3902 2 out	1614 9	0.568	0.45	2.42	461	0	0	0	1	TILTKVQINIEK	14	NP_149513.1	050L	0.9648
29	2007-09-04-19 3697 3698 3 out	2440 2	0.381	0.37	2.42	316	0	0	0	1	VIPFESTFKDSIDDSLEEQQ	21	NP_149647.1	184R	0.9604
6	2007-09-04-19 3505 3505 2 out	1490 8	1.684	0.33	2.34	628	0	0	0	1	INVSEVFITLQK	13	NP_149490.1	027L	0.979
7	2007-09-04-19 968 968 2 out	1495 7	1.05	0.4	2.11	355	0	0	0	1	FHNKIKVCSGSFQ	13	NP_149713.1	250L	1
30	2007-09-04-19 4744 4744 3 out	2444 3	0.544	0.43	2.06	250	0	0	0	1	FQNNFLKYYFLLQSYKSK	19	NP_149761.1	298R	0.9863
36	2007-09-04-19 5225 5225 3 out	2901 4	0.59	0.47	2.03	197	0.693	Nosema	1	CAEDFLKSPVSKSVITPAYFNDQSR	26	AAC47660.1	mitochondrial-type HSP70	0.9775	
10	2007-09-04-19 5109 5109 2 out	1630 8	0.907	0.44	1.97	289	0.693	0	0	1	QENMLIESHNM*LR	14	NP_149463.1	468L	0.9926
19	2007-09-04-19 4882 4882 3 out	2038 1	1.566	0.4	1.96	142	1.609	0	0	1	IAYKECCPLISQISFPLI	18	NP_149822.1	359L	0.9988
24	2007-09-04-19 5587 5587 3 out	2111	0.274	0.4	1.9	123	1.386	Nosema	1	SDEQVKMM*PLSNNTVSRR	20	ABE27267.1	unknown	0.9706	
14	2007-09-04-19 5295 5295 3 out	1723 9	1.863	0.37	1.89	261	0	BQCVCBQCV	2	LDAQYVDTETKEAK	15	NP_620565.1	structural polyprotein	0.9987	
20	2007-09-04-19 5273 5273 3 out	2056 1	1.537	0.37	1.87	245	0.693	0	0	1	YPIMTPIPTPIPLGTSNM	19	NP_149920.1	457L	0.9892
13	2007-09-04-19 3731 3731 2 out	1686 8	1.417	0.4	1.85	100	0.693	Nosema	1	IGKYSWNGYKIDK	14	ABE26653.1	pol polyprotein	0.9835	
18	2007-09-04-19 4396 4396 2 out	1964 1	1.02	0.52	1.82	166	0	Nosema	1	DMIVADLEQKFIPIGFK	17	ABE27277.1	unknown	0.9794	
22	2007-09-04-19 4640 4640 3 out	2092 9	1.187	0.46	1.78	180	1.609	KBVIKBV	2	TDIEYEDFLDMCLETKK	17	NP_851403.1	non-structural polyprotein	0.9686	
35	2007-09-04-19 3285 3285 3 out	2777 4	1.059	0.45	1.78	142	0.693	Nosema	1	FMSLMEV*MQEGFEFNVLIKTPKK	24	ABE27273.1	unknown	0.9913	
4	2007-09-04-19 5039 5039 2 out	1326 7	0.618	0.38	1.74	301	0	0	0	1	MLNLFSPSTELK	11	NP_149642.1	179R	0.9952
32	2007-09-04-19 3751 3751 3 out	2551 4	0.768	0.39	1.71	211	0	0	0	1	SCCEEIIPNVDKLLTHIFK	21	NP_149877.1	414L	0.9701
15	2007-09-04-19 4040 4040 2 out	1763 1	0.122	0.46	1.68	320	0	Nosema	1	RMFVLAIVLFLTK	15	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9572	
23	2007-09-04-19 4865 4865 3 out	2097 1	1.317	0.43	1.66	227	0	0	0	1	FTGLSM*LNINNM*AEIK	20	NP_149599.1	136R	0.9865
33	2007-09-04-19 3706 3706 3 out	2619 5	0.494	0.52	1.62	147	0	0	0	1	IEPTLPIKLEQIAYIRAGDEPR	23	NP_149664.1	201R	0.9815
17	2007-09-04-19 3905 3905 3 out	1939 1	1.432	0.46	1.61	83	1.792	Nosema	1	YHKLNNPKVFLIDPK	16	ABE26651.1	pol polyprotein	0.9904	
34	2007-09-04-19 4993 4993 3 out	2653 4	1.872	0.43	1.58	221	0	BQCVC	1	VKFAITNHSRLM*LLNHVQCDAK	24	NP_620565.1	structural polyprotein	0.9856	
28	2007-09-04-19 3369 3369 2 out	2280 1	1.177	0.42	1.57	216	0	0	0	1	IFSAFCYSGSDTASNQLSDK	21	NP_149758.1	295L	0.9967
31	2007-09-04-19 3530 3530 2 out	2475 2	0.417	0.53	1.55	140	0	0	0	1	IM*NEVGDNILTLNLYELFYK	22	NP_149561.1	098R	1
3	2007-09-04-19 3907 3907 3 out	1292 7	1.992	0.47	1.5	236	0	ABPV	1	KQDVNVAFGESK	12	NP_066241.1	replicase polyprotein	0.9727	
38	2007-09-04-19 3459 3459 3 out	3128 6	1.903	0.47	1.5	103	1.609	Nosema	1	QM*IKAGSKGSYNISQITSCVQQNQIESK	30	AAD12605.1	RNA polymerase II largest subunit	0.9736	

Test 16

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
1	2007-09-14-07 3136 3136 2 out	1156 7	0.532	0.66	3.45	661	0	KBV KBV KBV KBV	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.9976
3	2007-09-14-07 3902 3902 2 out	1285 7	0.314	0.54	2.45	1170	0	ilv6	1	EAQKIEKIGNR	11	NP_149612.1	149L	0.999
4	2007-09-14-07 2614 2614 2 out	1344 7	0.251	0.41	1.72	403	0	ilv6	1	IEENNNLEEIK	11	NP_149776.1	313L	0.9997
2	2007-09-14-07 3334 3334 2 out	1159 6	0.505	0.49	1.6	280	0	Nosema Nosema	2	LAVNM*VPFPR	11	AAN35161.1	beta-tubulin	0.9992

Test 16

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
3	2008-08-13-01a 1274 1274 2 out	1156 7	0.378	0.68	3.13	802	0	KBV/KBV/KBV/K	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.9876	
14	2008-08-13-01a 1670 1670 2 out	1614 9	0.202	0.28	2.57	596	0	0	0	1	TILTKVQINIEK	14	NP_149513.1	050L	0.9956
12	2008-08-13-01a 957 957 2 out	1344 7	1.598	0.25	2.34	466	0.693	0	0	1	IEENNNLEEIK	11	NP_149776.1	313L	0.9897
9	2008-08-13-01a 1599 1599 2 out	1270 7	0.457	0.4	2.23	356	0	IAPV/IAPV	2	LVLNANPFVAGR	12	YP_001040003.1	structural polyprotein	0.9828	
13	2008-08-13-01a 1148 1148 2 out	1475 6	0.67	0.29	2.06	487	1.099	0	0	1	EMNHTCSSGYLTR	13	NP_149930.1	467R	0.9957
15	2008-08-13-01a 1508 1508 2 out	1630 8	0.558	0.29	1.94	369	0.693	0	0	1	QENMLIESHNM*LR	14	NP_149463.1	468L	0.9861
2	2008-08-13-01a 1306 1306 2 out	1143 7	0.425	0.43	1.89	652	0	Nosema	1	LISLTRLRLSK	10	ABE26651.1	pol polyprotein	0.9534	
4	2008-08-13-01a 1058 1058 2 out	1158 6	0.399	0.44	1.7	214	0	0	0	1	KRNAEAWQR	9	NP_149676.1	213R	0.9991
8	2008-08-13-01a 1275 1275 2 out	1264 7	1.343	0.46	1.7	285	0	0	0	1	INGLIDISEYK	11	NP_149758.1	295L	0.9913
10	2008-08-13-01a 1308 1308 2 out	1273 8	1.677	0.38	1.69	109	0.693	Nosema	1	KTESKVELVLK	11	ABO69724.1	unknown	0.9993	
21	2008-08-13-01a 1373 1373 3 out	1950 9	0.248	0.37	1.67	162	0	VDV1/VDV1	2	CQHWWYAPLTA/VYDDR	16	YP_145791.1	polyprotein	0.994	
7	2008-08-13-01a 1541 1541 2 out	1214 7	0.494	0.34	1.64	340	0	IAPV/IAPV	2	TIADLKKVKQK	11	YP_001040003.1	structural polyprotein	0.9996	
16	2008-08-13-01a 1535 1535 3 out	1700 9	1.444	0.45	1.61	164	0	0	0	1	CNQIVDFVVEFK	14	NP_149776.1	313L	0.967
23	2008-08-13-01a 1523 1523 3 out	2044 1	1.495	0.36	1.59	223	0	0	0	1	LKQLDVMIEFM*KQYNK	17	NP_149504.1	041L	0.9637
20	2008-08-13-01a 1557 1557 3 out	1860 9	1.053	0.46	1.57	157	0	Nosema	1	VYVEIEIPLCLYSQK	15	ABE27273.1	unknown	0.9784	
1	2008-08-13-01a 1449 1449 2 out	1122 5	0.826	0.4	1.52	141	1.099	0	0	1	SLMGNCPSVSK	11	NP_149555.1	092R	0.9987
6	2008-08-13-01a 1185 1185 2 out	1184 7	0.736	0.38	1.52	317	0	0	0	1	IKDIIDALQR	10	NP_149695.1	232R	0.9861



## Test 16

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
11	2008-08-13-02 1670 1670 2 out	1614.9	0.468	0.32	2.61	549	0	IV6	1	TILTKVONINIEK	14	NP_149513.1	050L	0.9997
9	2008-08-13-02 944 944 2 out	1344.7	0.485	0.33	2.09	379	0	IV6	1	IENENNLEEIK	11	NP_149776.1	313L	0.9812
12	2008-08-13-02 1509 1509 2 out	1630.8	0.583	0.33	2.03	369	0	IV6	1	QENMLIESHNM*LR	14	NP_149463.1	468L	0.9944
1	2008-08-13-02 1136 1136 1 out	700.5	1.105	0.19	1.91	399	0	Nosema	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	1
18	2008-08-13-02 1482 1482 3 out	1780.9	0.942	0.56	1.91	227	0	Nosema	1	QPSLHKMSMAHVKVR	15	ABM26979.1	RNA polymerase II largest subunit	0.9689
8	2008-08-13-02 1674 1674 2 out	1272.7	1.088	0.43	1.84	283	0	Nosema	1	DIVVDIYNHKG	11	AAT72741.1	deoxyundine 5' triphosphate nucleotidylhydrolase	0.9976
3	2008-08-13-02 1198 1199 2 out	1184.7	0.282	0.5	1.78	270	0	IV6	1	IKDIDALQR	10	NP_149695.1	232R	0.9991
7	2008-08-13-02 1779 1779 2 out	1268.6	0.309	0.43	1.72	396	0	IV6	1	DKMOIYVEDK	10	NP_149676.1	213R	0.9939
2	2008-08-13-02 1284 1284 2 out	1156.7	0.939	0.44	1.7	229	0	KBVKBVK	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.991
17	2008-08-13-02 1492 1492 3 out	1776	0.604	0.41	1.7	276	0	IV6	1	NHAKLTEQISRIPIR	15	NP_149688.1	225R	0.9995
13	2008-08-13-02 1365 1365 3 out	1732.9	1.127	0.45	1.66	271	1.099	IV6	1	LNESREIVSAEMVKK	15	NP_149639.1	176R	1
6	2008-08-13-02 1260 1260 2 out	1264.7	1.544	0.38	1.63	308	0	IV6	1	ITMNFKNRLK	10	NP_149777.1	314L	0.9971
4	2008-08-13-02 897 897 2 out	1197.8	0.012	0.44	1.61	177	0	IV6	1	ESILILLRK	10	NP_149671.1	208L	0.9996
20	2008-08-13-02 1524 1524 3 out	2062.1	0.754	0.47	1.58	258	0	Nosema	1	IDAMNAAKSAATIGDRSLEK	20	AAT12296.1	chromosome segregation protein	0.9648
16	2008-08-13-02 1238 1238 3 out	1764.8	1.201	0.42	1.57	76	1.099	Nosema	1	DDNPEMLTIHCVIHK	15	ABE27267.1	unknown	0.9769

## Test 17

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
18	2007-09-14-11 3602 3603 2 out	1614.9	1.224	0.35	2.88	783	0	IV6	1	TILTKVONINIEK	14	NP_149513.1	050L	0.9534
7	2007-09-14-11 3130 3130 2 out	1156.7	0.713	0.59	2.64	436	0	KBVKBVKKBVKBVK	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.9946
20	2007-09-14-11 2756 2756 3 out	1704.9	0.326	0.45	2.38	345	0	Nosema	1	KINNFDDVAAPK	15	ABE26651.1	pol polyprotein	0.9666
12	2007-09-14-11 2576 2576 2 out	1344.7	1.713	0.36	2.33	449	0	IV6	1	IENENNLEEIK	11	NP_149776.1	313L	0.9635
37	2007-09-14-11 3687 3687 3 out	2110.1	1.373	0.55	2.26	406	0	Nosema	1	ASLQKLEMOHNNLVSR	18	AAT12296.1	chromosome segregation protein	1
13	2007-09-14-11 3180 3180 2 out	1368.7	0.793	0.52	2.24	678	0	IV6	1	YQHYAIFEAVK	11	NP_149681.1	218R	0.9607
9	2007-09-14-11 657 657 2 out	1202.7	1.274	0.42	1.94	483	0	IV6	1	KFPTLEIHK	10	NP_149688.1	225R	0.9928
10	2007-09-14-11 3858 3858 2 out	1285.7	1.149	0.41	1.9	312	0	IV6	1	EAOKIEKIGNR	11	NP_149612.1	149L	0.968
23	2007-09-14-11 2712 2712 3 out	1745	1.225	0.36	1.9	140	1.609	Nosema	1	IIPPEFELEFLER	14	ABE26650.1	pol polyprotein	0.9866
25	2007-09-14-11 2946 2946 3 out	1755.8	0.007	0.5	1.89	1193	0	VDV1/VDV1	2	RSSLECYIEPSTSR	15	YP_145791.1	polyprotein	0.9917
6	2007-09-14-11 2789 2789 2 out	1146.6	0.908	0.44	1.88	473	0	Nosema	1	LSKEMNRIR	9	ABY49795.1	hypothetical spore wall protein 13	0.9874
1	2007-09-14-11 2877 2877 1 out	700.5	1.008	0.17	1.87	425	0	Nosema	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	1
38	2007-09-14-11 3252 3252 3 out	2131.2	1.663	0.41	1.87	133	0	Nosema	1	LNQTVAEVRLRYKNDIK	18	ABE26651.1	pol polyprotein	0.998
4	2007-09-14-11 2970 2970 2 out	1133.7	0.696	0.42	1.86	229	0	IV6	1	DDYILLRL	9	NP_149867.1	404L	0.9988
5	2007-09-14-11 3575 3575 2 out	1143.6	1.71	0.43	1.85	484	0	Nosema/Nosema	2	LA/NMVPFPR	10	AAN35161.1	beta-tubulin	1
11	2007-09-14-11 2901 2901 2 out	1309.6	1.525	0.42	1.82	528	0	IV6	1	NM*LOTM*GIEK	13	NP_149701.1	238R	0.9981
29	2007-09-14-11 480 480 3 out	1943	0.206	0.37	1.77	218	0	IV6	1	SOHGIPDTSLKPSPHWR	17	NP_149813.1	350L	0.9889
16	2007-09-14-11 3454 3454 2 out	1538.8	0.381	0.52	1.75	68	0.693	IV6	1	VSELGSKHFCYIR	13	NP_149827.1	364L	0.9817
8	2007-09-14-11 3070 3070 2 out	1179.7	1.898	0.44	1.74	238	0.693	IV6	1	PEILPLLTOR	10	NP_149731.1	268L	0.992
3	2007-09-14-11 3570 3572 2 out	1122.5	1.304	0.42	1.69	156	0	IV6	1	SLMGNCPSGVK	11	NP_149555.1	092R	0.9964
15	2007-09-14-11 3350 3350 2 out	1429.7	1.379	0.5	1.66	221	0	Kakugo	1	PIKCCSPISVSNR	13	YP_015696.1	polyprotein	0.9976
40	2007-09-14-11 3434 3434 3 out	2542.3	1.975	0.38	1.66	89	0	Nosema/Nosema/Nosema/Nosema	8	LPGMTMKESFQVNYVNLKAR	22	ABM26981.1	RNA polymerase II largest subunit	0.9941
14	2007-09-14-11 3508 3508 2 out	1377.7	0.739	0.54	1.64	87	0.693	IV6	1	NENNSVGRTOVK	12	NP_149630.1	067R	0.9708
28	2007-09-14-11 3633 3633 3 out	1900.9	1.373	0.5	1.61	345	0	IV6	1	EYM*ITFCNQEHOIK	16	NP_149752.1	289L	0.9921
32	2007-09-14-11 2631 2631 3 out	1990.1	0.749	0.39	1.6	76	0	IV6	1	M*HVLITITKITIMENK	18	NP_149827.1	411L	1
26	2007-09-14-11 2793 2793 3 out	1779.9	0.022	0.41	1.58	160	0.693	Nosema	1	DSELAVLLEDGGCGFVR	17	AAT12295.1	phospholipase D	1
17	2007-09-14-11 2958 2958 2 out	1559.8	1.436	0.47	1.57	105	0.693	IV6	1	M*DETQDILYKFK	13	NP_149668.1	205R	0.9593
35	2007-09-14-11 742 742 3 out	2045.1	0.086	0.4	1.53	199	0	IV6	1	SLM*GNCPSGVKIVSGATHK	21	NP_149555.1	092R	0.9583

## Test 18

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
4	2007-09-14-08 2898 2898 2 out	1156.7	0.812	0.74	2.83	593	0	KBVKBVKKBVKBVK	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.9954
3	2007-09-14-08 3345 3345 2 out	1143.6	1.67	0.55	2.45	1024	0	Nosema/Nosema	2	LAVNMVPFPR	10	AAN35161.1	beta-tubulin	0.9814
11	2007-09-14-08 2865 2866 2 out	1389.7	0.778	0.58	2.42	431	0	VDV1/VDV1	2	NVLIECKANEK	12	YP_145791.1	polyprotein	0.9518
8	2007-09-14-08 3501 3501 2 out	1268.6	1.68	0.41	2.34	570	0	IV6	1	DKMOIYVEDK	10	NP_149676.1	213R	0.982
9	2007-09-14-08 2528 2528 2 out	1344.7	0.403	0.4	2.1	433	0	IV6	1	IENENNLEEIK	11	NP_149776.1	313L	1
35	2007-09-14-08 2513 2513 3 out	2295.4	1.094	0.48	2.05	74	0	Nosema	1	YVTIKPLQNTSKHIVATLR	20	ABE26650.1	pol polyprotein	0.9808
22	2007-09-14-08 2735 2735 3 out	1755.8	0.47	0.41	2.04	939	0	VDV1/VDV1	2	RSSLECYIEPSTSR	15	YP_145791.1	polyprotein	0.9996
10	2007-09-14-08 3216 3216 2 out	1377.7	0.679	0.46	1.99	108	1.099	IV6	1	NENNSVGRTOVK	12	NP_149530.1	067R	0.9832
6	2007-09-14-08 2585 2585 2 out	1205.6	0.335	0.36	1.87	220	0	DWVIDWV/Kakugo/VDV1	40	DDPFDEKLAR	10	ABE36639.1	polyprotein	0.9938
13	2007-09-14-08 2466 2466 2 out	1556.7	0.287	0.4	1.83	256	0	BQCV	1	KYSFDWFSFSK	12	NP_620564.1	nonstructural polyprotein	0.9931
5	2007-09-14-08 3520 3520 2 out	1195.8	1.641	0.52	1.76	378	0.693	IV6	1	ILILILEK	10	NP_149702.1	239R	0.9868
23	2007-09-14-08 3407 3407 3 out	1785.9	0.768	0.44	1.71	284	0	Nosema	1	ADGMKIEFNKOTM*K	16	ABV48897.1	hypothetical spore wall protein	0.9741
29	2007-09-14-08 3129 3129 3 out	1971.2	1.153	0.45	1.69	309	0	IV6	1	M*ILVLAFLHLQKFLLR	17	NP_149845.1	382R	0.9951
12	2007-09-14-08 3364 3364 2 out	1401.8	0.825	0.48	1.68	275	0	IV6	1	ELNLLTLITENK	12	NP_149803.1	340R	0.9972
16	2007-09-14-08 2927 2927 3 out	1687.9	0.34	0.44	1.65	172	0	KBVKBVKKBVKBVK	6	IVNSDSKLEKALK	15	ABN49472.1	VP4 protein	1
36	2007-09-14-08 6286 6286 3 out	2296.2	1.139	0.44	1.65	98	1.609	IV6	1	FAMFKPHVLTIPLEYFNSR	19	NP_149788.1	325L	0.9978
21	2007-09-14-08 3849 3849 3 out	1746	0.306	0.41	1.61	347	0	IV6	1	ELLKWLLOEFWK	13	NP_149487.1	024L	0.9959
32	2007-09-14-08 2909 2909 3 out	2165.2	1.132	0.4	1.61	172	0	IV6	1	YNPIRPNPKHPLSPPFK	18	NP_149628.1	165R	0.998
34	2007-09-14-08 2373 2373 3 out	2286.3	1.378	0.38	1.61	337	0	IV6	1	M*VIOFKPKELILCIDGVAPR	21	NP_149475.1	012L	0.9966
7	2007-09-14-08 3033 3033 2 out	1209.6	1.752	0.47	1.59	168	0.693	IV6	1	VFVNICSTNR	11	NP_149626.1	163L	1
17	2007-09-14-08 6582 6582 3 out	1701.9	0.231	0.48	1.59	80	3.258	Nosema	1	AETEPKSNLLITEK	15	ABE26651.1	pol polyprotein	0.992
19	2007-09-14-08 3124 3124 3 out	1728.9	0.54	0.4	1.59	200	0	IV6	1	DLQKEVDLAKAEVVK	15	NP_149504.1	041L	0.9947
25	2007-09-14-08 1131 1131 3 out	1849	0.629	0.44	1.59	364	0	Nosema	1	SARTIAKFLVEIICR	16	ABE26648.1	pol polyprotein	0.972
24	2007-09-14-08 3702 3702 3 out	1843.9	1.303	0.38	1.58	299	0	IV6	1	LLDYKKNDEDDIVTK	15	NP_149824.1	361L	0.9957
20	2007-09-14-08 3794 3794 3 out	1738.9	0.171	0.39	1.54	359	0	Nosema	1	YNFKDDIFTGLIHR	14	ABE27264.1	unknown	0.9957
18	2007-09-14-08 6619 6619 3 out	1713	1.638	0.5	1.53	99	1.946	IV6	1	LVPINADLIIFAADVK	16	NP_149697.1	234R	0.9693



## Test 18

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
5	2008-08-13-04 1289 1289 2 out	1156 7	0.484	0.62	3.58	792	0	KBV/KBV/KBV/KBV	6	IGPISEVASGVK	12	ABN49472 1	VP4 protein	1
12	2008-08-13-04 1679 1679 2 out	1614 9	1.485	0.35	2.82	617	0	IV6	1	TILTTKVQINIEK	14	NP 149513 1	050L	0.9945
16	2008-08-13-04 1711 1711 3 out	1795 9	0.392	0.34	2.32	375	0	Nosema	1	MIKMLMSTDSIEKR	15	ABE27271 1	unknown	0.9629
11	2008-08-13-04 1261 1261 2 out	1389 7	0.492	0.65	2.27	645	0	VDV1/VDV1	2	NVLIECKANEK	12	YP 145791 1	polyprotein	0.9872
14	2008-08-13-04 1067 1067 2 out	1665 8	1.735	0.38	2.22	293	0	Nosema	1	TQSDQGTITKVQEDK	15	ABE26649 1	pol polyprotein	0.9985
7	2008-08-13-04 1708 1708 2 out	1205 7	1.393	0.35	2.12	311	0	IV6	1	VDVSTQTKTVK	11	NP 149655 1	192R	0.9832
13	2008-08-13-04 1521 1522 2 out	1630 8	1.543	0.43	2.08	441	0	IV6	1	QENMLIESHNM*LR	14	NP 149463 1	468L	0.9622
6	2008-08-13-04 1204 1204 2 out	1184 7	0.119	0.43	2.07	331	0	IV6	1	IKDIDALQR	10	NP 149695 1	232R	0.9892
10	2008-08-13-04 958 958 2 out	1344 7	0.291	0.37	2.06	429	0	IV6	1	ENENNLEEIK	11	NP 149776 1	313L	0.9884
3	2008-08-13-04 1494 1494 2 out	1151 6	1.656	0.53	2.05	224	0	Nosema/Nosema	2	LSQEFQKSK	10	AAC47419 1	alpha-tubulin	0.9877
9	2008-08-13-04 1456 1456 2 out	1268 6	1.366	0.32	1.98	412	0	IV6	1	DKMQIYVEDK	10	NP 149676 1	213R	0.9743
1	2008-08-13-04 1143 1144 1 out	700 5	0.566	0.17	1.89	415	0	Nosema	1	VXDIK	6	ABM26977 1	RNA polymerase II largest subunit	1
17	2008-08-13-04 1257 1257 2 out	2335 2	0.858	0.58	1.75	374	0	IV6	1	PSIVAEM*PDIKPNQVM*VHLGK	23	NP 149864 1	401R	0.9892
8	2008-08-13-04 1703 1703 2 out	1256 6	0.494	0.45	1.65	282	0	Nosema	1	EFLNDKSEM*K	11	ABE27267 1	unknown	0.9955
15	2008-08-13-04 1744 1744 3 out	1700 9	1.461	0.52	1.6	71	2	197 IV6	1	CNOIVDFVVEFK	14	NP 149776 1	313L	0.9929
2	2008-08-13-04 2070 2070 2 out	1122 5	1.899	0.52	1.55	178	0	693 IV6	1	SLMGNCPSVVK	11	NP 149555 1	092R	0.9839
4	2008-08-13-04 817 817 2 out	1153 5	0.738	0.49	1.52	320	0	IV6	1	TM*TGLEDASGR	12	NP 149548 1	085L	0.9897

## Test 18

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
6	2008-08-13-05 1288 1288 2 out	1156 7	0.394	0.74	3.38	602	0	KBV/KBV/KBV/KBV	6	IGPISEVASGVK	12	ABN49472 1	VP4 protein	1
17	2008-08-13-05 1682 1683 2 out	1614 9	0.581	0.21	2.62	687	0	IV6	1	TILTTKVQINIEK	14	NP 149513 1	050L	0.9915
12	2008-08-13-05 1257 1257 2 out	1389 7	1.502	0.71	2.29	639	0	VDV1/VDV1	2	NVLIECKANEK	12	YP 145791 1	polyprotein	1
11	2008-08-13-05 1564 1564 2 out	1377 7	0.617	0.37	2.23	97	2	197 IV6	1	NENNSVGRQTMK	12	NP 149530 1	067R	0.992
10	2008-08-13-05 932 932 2 out	1344 7	1.578	0.27	2.19	355	0	IV6	1	ENENNLEEIK	11	NP 149776 1	313L	0.9888
9	2008-08-13-05 1439 1439 2 out	1258 7	0.495	0.29	2.13	329	0	Nosema	1	IEDLNFILIGPK	11	AAT12293 1	DNA repair helicase RAD25	0.9595
18	2008-08-13-05 1619 1619 2 out	1630 8	1.133	0.3	2.07	429	0	IV6	1	QENMLIESHNM*LR	14	NP 149463 1	468L	0.9713
24	2008-08-13-05 1168 1168 3 out	1849	1.916	0.47	1.98	268	0	IV6	1	LDSKRTGLIMDFNNPK	16	NP 149642 1	179R	0.9878
19	2008-08-13-05 1664 1664 2 out	1633 9	0.23	0.35	1.97	391	0	IV6	1	M*DKIEELKIEELK	14	NP 149512 1	049L	0.9579
4	2008-08-13-05 1286 1286 2 out	1149 6	1.603	0.32	1.94	233	0	Nosema	1	LENIPHPTTK	10	ABE26650 1	pol polyprotein	0.9643
8	2008-08-13-05 1966 1966 2 out	1206 6	0.163	0.35	1.92	515	0	Nosema	1	LSTPGYGELNR	11	AAN35161 1	beta-tubulin	0.9955
16	2008-08-13-05 917 917 2 out	1556 7	0.553	0.37	1.85	137	0	BQCV	1	KYSFDDWFSFSK	12	NP 620564 1	nonstructural polyprotein	0.9553
26	2008-08-13-05 1026 1026 3 out	2249 2	0.672	0.53	1.84	182	0	IV6	1	HVHTHHYLVVRNYRIK	17	NP 149537 1	074R	0.9857
21	2008-08-13-05 951 951 3 out	1758 9	0.374	0.4	1.82	135	0	Nosema	1	RIDEMGADIEKOLIK	15	ABE27267 1	unknown	0.9776
2	2008-08-13-05 1480 1480 2 out	1130 7	0.854	0.43	1.73	136	0	693 KBV/KBV/KBV	3	KVLDAGLAICK	11	NP 851403 1	non-structural polyprotein	0.9955
22	2008-08-13-05 1516 1516 3 out	1805 9	0.991	0.43	1.69	75	1	099 Kakugo	1	VEIGQEASECIFKKPK	16	YP 015696 1	polyprotein	0.9701
25	2008-08-13-05 1380 1382 3 out	2075 1	0.721	0.48	1.63	70	0	693 Nosema	1	DKPITVGHVLIIVPEESR	18	ABE27273 1	unknown	0.9665
15	2008-08-13-05 1440 1440 2 out	1554 7	0.881	0.41	1.57	303	0	DWV	1	SSVECQYAEPAQR	14	ABM64829 1	polyprotein	1
5	2008-08-13-05 814 814 2 out	1153 5	0.367	0.47	1.51	210	0	IV6	1	TM*TGLEDASGR	12	NP 149548 1	085L	0.981

## Test 19

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
4	2007-09-14-09 3599 3599 2 out	1143 6	0.778	0.67	3.06	1048	0	Nosema/Nosema	2	LAVNMVFPFR	10	AAN35161 1	beta-tubulin	1
9	2007-09-14-09 4036 4036 2 out	1614 9	0.607	0.42	2.82	842	0	IV6	1	TILTTKVQINIEK	14	NP 149513 1	050L	0.9577
24	2007-09-14-09 3677 3677 3 out	1785 9	1.434	0.58	2.82	339	0	Nosema	1	ADGMKIEEFNKQTM*K	16	ABV48897 1	hypothetical spore wall protein	0.9838
5	2007-09-14-09 2168 2168 2 out	1171 6	0.641	0.72	2.79	755	0	Nosema	1	HKGVMVGMGOK	11	AAB86863 1	actin	0.9601
3	2007-09-14-09 3141 3141 2 out	1130 6	0.375	0.46	2.53	454	0	Nosema/Nosema/Nosema	14	FPGLNADLR	10	AAZ23552 1	beta-tubulin	0.9853
11	2007-09-14-09 3641 3641 3 out	1668	1.662	0.31	2.53	847	0	Nosema	1	IKVIEQVQIDILEK	14	ABE27269 1	unknown	0.9964
6	2007-09-14-09 3474 3474 2 out	1377 7	0.766	0.47	2.47	113	1	099 IV6	1	NENNSVGRQTMK	12	NP 149530 1	067R	0.9792
37	2007-09-14-09 3729 3729 3 out	2110 1	0.641	0.3	2.26	335	0	Nosema	1	ASLQKLELMQHNNLVSR	18	AAT12296 1	chromosome segregation protein	0.9722
7	2007-09-14-09 3257 3257 2 out	1401 7	0.515	0.4	2.22	284	0	IV6	1	M*LSSCNLSKTSK	14	NP 149862 1	399R	0.9516
8	2007-09-14-09 3618 3618 2 out	1401 8	1.748	0.4	2.09	496	0	IV6	1	ELNLLTLNTEK	12	NP 149803 1	340R	0.9951
21	2007-09-14-09 892 892 3 out	1763 9	0.417	0.35	2.01	205	0	693 IV6	1	NVLISM*WSQPSMRRR	15	NP 149790 1	327R	0.9903
44	2007-09-14-09 2884 2884 3 out	2496 1	0.328	0.4	2.01	131	0	Nosema	1	SPDVFDEATVYEKFKM*CNNDK	22	ABO69725 1	unknown	0.9748
16	2007-09-14-09 1173 1173 3 out	1724 9	0.437	0.5	1.94	310	0	Nosema	1	FNLTDCVLHADAIHR	15	AAT72743 1	translation elongation factor 2	0.9876
20	2007-09-14-09 4499 4499 3 out	1749 9	0.88	0.45	1.93	330	1	099 IV6	1	IFYLSKVNMLCOYK	14	NP 149711 1	248R	0.9971
33	2007-09-14-09 3184 3184 3 out	1965 1	1.968	0.44	1.89	214	0	693 IV6	1	EAPVKLCDALLPVVNNR	18	NP 149647 1	184R	0.9721
22	2007-09-14-09 1625 1625 3 out	1782	0.591	0.46	1.86	243	0	693 IAPV/IAPV	2	TANGIERIPVIGELAK	17	YP 001040003 1	structural polyprotein	0.9757
25	2007-09-14-09 3671 3671 3 out	1790 9	1.121	0.45	1.82	320	0	693 Nosema	1	SYELPDGQVVIKIGSER	16	AAB86863 1	actin	0.9857
27	2007-09-14-09 3830 3830 3 out	1799 9	1.563	0.56	1.8	201	0	IV6	1	KVKGTGNYGNYYYDK	15	NP 149524 1	061R	0.9741
12	2007-09-14-09 3002 3002 3 out	1680 9	1.078	0.53	1.77	233	0	IV6	1	PFVHVLPSSINWR	14	NP 149500 1	037L	0.9691
1	2007-09-14-09 1013 1013 1 out	817 4	0.072	0.25	1.74	300	0	Nosema	1	NESNLLK	7	ABE27273 1	unknown	1
17	2007-09-14-09 1280 1280 3 out	1733 9	0.539	0.45	1.72	293	0	IV6	1	M*IFILTVFYQSLSR	15	NP 149496 1	033L	0.9826
34	2007-09-14-09 2675 2675 3 out	2001 1	1.14	0.42	1.7	223	0	IV6	1	WKIGNYVPLTIDELIK	17	NP 149500 1	037L	0.9827
30	2007-09-14-09 1682 1682 3 out	1849	1.953	0.42	1.68	230	0	Nosema	1	SARTIAKFLVEELICR	16	ABE26648 1	pol polyprotein	0.9527
38	2007-09-14-09 4988 4988 3 out	2267 2	0.581	0.5	1.68	235	0	IV6	1	FGHSNPPRIYNNPIRYHPK	19	NP 149628 1	165R	0.9977
32	2007-09-14-09 2844 2844 3 out	1928 1	1.712	0.42	1.67	82	2	639 IV6	1	YNLALLELLISILM*HR	17	NP 149884 1	421L	0.9688
18	2007-09-14-09 4310 4310 3 out	1740 9	0.84	0.39	1.63	290	0	693 IV6	1	M*QVQVYLLCLM*ILK	16	NP 149730 1	267R	0.9758
40	2007-09-14-09 3336 3336 3 out	2286 2	1.822	0.45	1.59	474	0	Nosema	1	VGINSRPTVLEGGQAM*AEVSR	22	AAZ23549 1	alpha-tubulin	0.9842
28	2007-09-14-09 3634 3634 3 out	1825 2	1.964	0.4	1.58	186	0	IV6	1	ILILQLELKILM*QK	16	NP 149702 1	239R	0.984
13	2007-09-14-09 4073 4073 3 out	1693 9	0.781	0.38	1.55	427	0	IV6	1	ILIM*M*ICQVKKVDIK	16	NP 149575 1	112R	0.9837
36	2007-09-14-09 3284 3284 3 out	2057	1.746	0.47	1.51	140	1	946 Nosema	1	IEVSVSNHIGTVNAALCSK	20	AAT72743 1	translation elongation factor 2	0.9928
39	2007-09-14-09 4787 4787 3 out	2270 1	0.251	0.49	1.51	74	1	792 IV6	1	SKWLLMNPDDFKM*AIM*GLK	21	NP 149674 1	211L	0.9559







Test 21

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
46	2007-09-14-13 3484 3484 2 out	1790.9	0.349	0.56	2.76	552	0	Nosema	1	SYELPDGQVQKIGSER	16	AAB86863.1	actin	1
18	2007-09-14-13 5087 5087 2 out	1614.9	0.364	0.47	2.52	323	0	IV6	1	TLTKTKVQNIIEK	14	NP_149513.1	050L	0.9689
13	2007-09-14-13 2541 2541 2 out	1344.7	1.507	0.28	2.5	383	0	IV6	1	IENENILEEK	11	NP_149776.1	313L	0.9931
4	2007-09-14-13 1572 1572 2 out	1171.6	0.409	0.7	2.32	604	0	Nosema	1	HKGVMVMVGK	11	AAB86863.1	actin	0.9861
12	2007-09-14-13 3401 3401 2 out	1332.8	1.595	0.42	2.25	251	0.693	Nosema	1	VESSIQSTKIK	12	ABE27277.1	unknown	0.9932
16	2007-09-14-13 3746 3746 2 out	1498.8	1.361	0.46	2.25	619	0	IV6	1	EIFICYREGIKK	12	NP_149500.1	037L	0.9917
32	2007-09-14-13 6155 6155 2 out	1717	0.986	0.5	2.23	316	0	IV6	1	TLIFKTKIDYSFIK	14	NP_149716.1	253L	0.9877
30	2007-09-14-13 3548 3548 2 out	1703.8	0.745	0.41	2.19	114	0	IV6	1	LCFNNTKIDYSLDK	15	NP_149593.1	130R	0.9534
84	2007-09-14-13 6690 6690 3 out	2303.2	0.356	0.39	2.09	302	0	SV	1	VMMNMTTFGHILRVYEP	20	AAL79021.1	AF469603.1 polyprotein	0.9895
5	2007-09-14-13 2360 2360 2 out	1203.6	0.423	0.35	2.08	581	0	ABPV	1	NNSNMATPVK	11	NP_066242.1	capsid protein	0.9947
14	2007-09-14-13 4788 4788 2 out	1377.7	0.405	0.4	2.06	235	0	IV6	1	NENNSVGRQTMK	12	NP_149530.1	067R	0.9953
21	2007-09-14-13 6707 6707 3 out	1665.8	1.923	0.45	2.05	146	2.398	Nosema	1	LNLYAFNSFGVNSR	14	ABO69717.1	unknown	0.9911
71	2007-09-14-13 6108 6108 3 out	2033	0.349	0.49	2.04	260	0	IV6	1	FDYDRDSTDIPIRYK	16	NP_149692.1	229L	0.9855
19	2007-09-14-13 3248 3248 2 out	1630.8	1.439	0.38	2.03	363	0	IV6	1	QENMLIESHMLLR	14	NP_149463.1	468L	0.9809
90	2007-09-14-13 5371 5371 3 out	2655.2	0.142	0.39	2.03	75	2.708	IV6	1	STRNYPSSQSCAFQSHADCK	24	NP_149800.1	337L	0.9835
8	2007-09-14-13 3583 3583 2 out	1268.6	0.775	0.35	1.99	608	0	IV6	1	DKMQIYVECK	10	NP_149676.1	213R	0.9598
6	2007-09-14-13 3485 3487 2 out	1205.7	1.121	0.48	1.97	292	0	IV6	1	VDVSTQTKTVK	11	NP_149655.1	192R	0.9896
1	2007-09-14-13 3496 3496 2 out	1102.7	0.677	0.46	1.92	611	0	Nosema	1	PLKSILYR	9	ABO69724.1	unknown	0.9965
83	2007-09-14-13 5491 5491 3 out	2299.2	0.875	0.43	1.9	312	0.693	IV6	1	VDVSLKSCDEEIPNYDK	20	NP_149877.1	414L	0.9772
65	2007-09-14-13 2110 2110 3 out	1995.9	1.414	0.51	1.88	258	0	Nosema	1	YIENEEFKEMFLFCR	16	ABE27267.1	unknown	0.9999
72	2007-09-14-13 6674 6674 3 out	2057	0.836	0.34	1.88	196	0.693	Nosema	1	IEVSVSNQHGTVNAALCSK	20	AAT72743.1	translation elongation factor 2	0.9783
80	2007-09-14-13 6328 6328 3 out	2197.2	1.836	0.4	1.88	167	0	Nosema	1	RRLSEATAVLAELVALLER	19	AAL28056.1	AF406785.5 unknown	0.9997
42	2007-09-14-13 4159 4159 2 out	1769	1.35	0.61	1.87	145	0	IV6	1	LPNVPSPDGKSTTSK	17	NP_149824.1	361L	0.997
9	2007-09-14-13 3709 3709 2 out	1285.7	0.484	0.56	1.86	1137	0	IV6	1	EAKKIEKIGNR	11	NP_149612.1	149L	0.9707
15	2007-09-14-13 4270 4270 2 out	1476.8	0.783	0.38	1.85	271	0	IV6	1	EVSEENRLMLTK	13	NP_149891.1	428L	0.9644
10	2007-09-14-13 2570 2570 2 out	1293.7	1.79	0.44	1.83	452	0	IV6	1	KSIVEVSQYLK	11	NP_149500.1	037L	0.9584
40	2007-09-14-13 2759 2759 3 out	1757.9	0.463	0.48	1.83	131	0.693	IV6	1	WGPAGEDTFLRLDIK	15	NP_149576.1	113L	0.9899
57	2007-09-14-13 3124 3124 2 out	1906.9	0.546	0.48	1.83	271	0	Nosema	1	NKMFVCEDCNNRQPVK	17	AAD12605.1	RNA polymerase II largest subunit	0.9689
45	2007-09-14-13 2124 2124 2 out	1782	1.65	0.44	1.81	208	0	ABPV	1	GLEISNIAELKLPK	16	NP_066241.1	replicase polyprotein	0.9924
78	2007-09-14-13 5839 5839 3 out	2193.1	1.45	0.34	1.8	348	0	BQCVBQCVBQCV	3	EVODGTAFINARSIEDSL	20	NP_620565.1	structural polyprotein	0.9991
31	2007-09-14-13 6259 6259 3 out	1712.9	1.215	0.41	1.79	343	0	IV6	1	QALLNTAGSSIMYLSK	17	NP_149618.1	155L	0.9725
56	2007-09-14-13 2129 2129 3 out	1879.9	0.423	0.56	1.78	97	1.386	Nosema	1	LDLGYGRMLDNDVGG	18	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9897
39	2007-09-14-13 2765 2765 3 out	1755.8	0.231	0.35	1.76	670	0	VDV1/VDV1	2	RSSLECYIEPSTSR	15	YP_145791.1	polyprotein	0.9945
17	2007-09-14-13 3862 3862 2 out	1504.8	1.471	0.41	1.75	220	0	IV6	1	PNIVTESNAYRK	13	NP_149612.1	149L	0.9611
50	2007-09-14-13 4260 4260 3 out	1801.9	1.088	0.49	1.75	112	1.792	IV6	1	ELFDLSRLYNFNR	14	NP_149878.1	420R	0.9594
60	2007-09-14-13 6752 6752 3 out	1915	1.444	0.46	1.75	365	0	Nosema	1	DELACTGIEIIGDKAKR	18	ABY49795.1	hypothetical spore wall protein 13	0.9755
66	2007-09-14-13 6409 6409 3 out	1999.1	1.334	0.47	1.75	181	0.693	IV6	1	EFEHLHLLSKSPVSLTGK	18	NP_149664.1	201R	0.9993
87	2007-09-14-13 3489 3489 3 out	2541.2	1.801	0.52	1.74	150	0	Nosema	1	NKPHLTSFSSGCDLKEVECLR	22	ABY48890.1	hypothetical spore wall protein	0.9826
26	2007-09-14-13 3639 3639 3 out	1686.8	1.798	0.4	1.72	294	0.693	Nosema	1	GKYSWMGVYKIDK	14	ABE26653.1	pol polyprotein	0.9502
38	2007-09-14-13 6820 6820 3 out	1743.8	1.962	0.34	1.72	378	0	Nosema	1	SKGVIMCWLCEDEISK	16	ABE27267.1	unknown	0.9934
41	2007-09-14-13 856 856 3 out	1763.9	0.027	0.43	1.72	194	0	IV6	1	NVLSMVYVQSPSMRRR	15	NP_149790.1	327R	0.9975
44	2007-09-14-13 1777 1777 3 out	1778.9	1.785	0.36	1.71	99	0.693	IV6	1	PTKQWMLTMCVGRNK	16	NP_149717.1	254L	0.9577
79	2007-09-14-13 2665 2665 3 out	2195	0.556	0.35	1.71	163	0	IV6	1	FNFAAGNVCECDIYESIMK	19	NP_149675.1	212L	0.9701
22	2007-09-14-13 4861 4861 3 out	1670.9	1.416	0.41	1.7	105	2.639	IV6	1	YLFNNASFLTVLR	14	NP_149815.1	352R	0.9516
7	2007-09-14-13 4810 4810 3 out	1230.7	0.985	0.43	1.69	277	0	IV6	1	DKNAIDLNSK	11	NP_149883.1	420R	0.9789
61	2007-09-14-13 1258 1258 3 out	1763.9	1.006	0.39	1.69	69	2.197	IV6	1	TLNLKIQHYIQNR	15	NP_149781.1	318R	0.9995
86	2007-09-14-13 4121 4121 3 out	2397.2	0.114	0.44	1.69	196	0	Nosema	1	SNSCYKVLHGMLSMRSLIEK	21	ABE27270.1	unknown	0.9884
58	2007-09-14-13 5227 5227 3 out	1911	1.217	0.39	1.68	321	0	Nosema	1	EEVWVRKMFYGLDK	15	AAT72743.1	translation elongation factor 2	0.9556
69	2007-09-14-13 3226 3226 3 out	2027	0.674	0.58	1.66	89	0	IV6	1	NVIDAISQIHTETDLK	18	NP_149585.1	122R	0.9562
51	2007-09-14-13 3152 3152 3 out	1826	0.806	0.36	1.64	422	0	QWV	1	PEMDRLNLAEGLLNK	16	ABB36638.1	polyprotein	0.9882
23	2007-09-14-13 3706 3706 3 out	1675	1.819	0.46	1.63	528	0	IV6	1	PFFANLLSVLNKPSK	15	NP_149508.1	045L	0.9921
11	2007-09-14-13 2563 2563 2 out	1323.5	0.51	0.52	1.62	181	0	Nosema	1	EDDESEKNDK	11	ABV48893.1	hypothetical spore wall protein	0.9965
29	2007-09-14-13 5684 5684 3 out	1701.8	1.769	0.41	1.61	134	2.485	DWVIDWVIDWVIDWVIKakugo/VDV1	7	ECLYLDQPKFRMR	14	NP_853560.2	polyprotein	0.9997
24	2007-09-14-13 1514 1514 3 out	1679.9	1.626	0.47	1.58	129	0.693	Nosema	1	GNKNDLVYVYGFNLK	15	ABE26649.1	pol polyprotein	0.9885
48	2007-09-14-13 814 814 3 out	1795.9	1.049	0.37	1.58	208	0	Nosema	1	MIKMLMSTDSIEKR	15	ABE27271.1	unknown	0.9859
81	2007-09-14-13 4950 4950 3 out	2267.2	0.979	0.53	1.58	116	0	IV6	1	FGHSNPPPIRYNPPIRYNPK	19	NP_149628.1	165R	0.9925
33	2007-09-14-13 5826 5826 3 out	1730.8	1.796	0.47	1.55	207	0.693	Nosema	1	ESFGFNHYLMETKTK	14	AAT72743.1	translation elongation factor 2	0.9998
70	2007-09-14-13 2857 2857 3 out	2029.1	1.39	0.7	1.55	71	0	IV6	1	VSFISVSSLCFASGDVGK	20	NP_149768.1	305L	0.9564
28	2007-09-14-13 2411 2411 3 out	1697.9	1.689	0.42	1.54	115	1.099	Nosema	1	LKKFNANIICPGHKK	15	AAS16360.1	translation elongation factor 1 alpha	0.9528
77	2007-09-14-13 6058 6058 3 out	2166.1	0.751	0.44	1.54	90	1.386	Nosema	1	ISAEENLLIFDEMVRGGMR	19	AAB62549.1	glutamyl-tRNA synthetase	0.9999
52	2007-09-14-13 1314 1314 3 out	1829.8	1.362	0.47	1.52	115	1.386	KBVKBVKBVKBVKBV	4	IDNTISFFDSGDPER	16	YP_308663.1	VP3	0.9866
55	2007-09-14-13 2861 2861 3 out	1849	0.357	0.48	1.51	228	0	IV6	1	LDSKRTGLIMDFNNPK	16	NP_149642.1	179R	0.977
64	2007-09-14-13 6770 6770 3 out	1995	1.563	0.4	1.51	171	0.693	IV6	1	TDPLVWMSGLDKVYNDK	17	NP_149668.1	205R	0.9775
36	2007-09-14-13 2581 2581 3 out	1739.9	0.477	0.38	1.5	138	0	IV6	1	LQMLFPPPHMTRKK	15	NP_149599.1	136R	0.9711

Test 22

Sr No	File Name	(M+H)	M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
10	2007-08-16-05 2883 2883 2 out	1631.8	1.446	0.59	3.14	737	0	Nosema Nosema	2	AVLIDLEPGTMDSVR	16	AAN35161.1	beta-tubulin	0.9545
11	2007-08-16-05 3029 3029 2 out	1790.9	1.519	0.61	3.1	520	0	Nosema	1	SYELPDGQVQKIGSER	16	AAB86863.1	actin	0.995
5	2007-08-16-05 2342 2342 3 out	1324.7	0.262	0.41	2.11	337	0	Nosema	1	FIQYLEDLKR	10	ABE26650.1	pol polyprotein	0.9719
9	2007-08-16-05 766 766 3 out	1615.8	0.308	0.32	2.1	425	0	IV6	1	VSGEGEHKLDDYIR	14	NP_149475.1	012L	0.9925
4	2007-08-16-05 2468 2468 2 out	1302.7	0.768	0.36	2.08	515	0	IV6	1	MKDLRYHLVK	10	NP_149784.1	321R	0.9938
7	2007-08-16-05 676 676 2 out	1495.7	1.333	0.39	2.03	539	0	IV6	1	FHNEKIVCSGSFQ	13	NP_149713.1	250L	0.9982
3	2007-08-16-05 2457 2457 3 out	1299.8	1.841	0.37	1.93	163	1.099	IV6	1	EDKLPLSEIKK	11	NP_149752.1	289L	0.9845
2	2007-08-16-05 2535 2535 2 out	1184.7	0.161	0.49	1.75	435	0	IV6	1	IKDIDALQR	10	NP_149695.1	232R	0.9944
6	2007-08-16-05 2651 2651 2 out	1485.9	0.077	0.47	1.67	597	0	Nosema	1	ISRRLLTFIPLNR	12	AAT12295.1	chromosome segregation protein	0.9745
13	2007-08-16-05 2965 2965 3 out	2238.2	1.752	0.49	1.61	186	0	IV6	1	ETGTLVYYNNILFSDPNTLK	20	NP_149574.1	111R	0.9897



## Test 22A

Sr No	File Name	(M+H)	m/z	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
76	2007-08-16-06 3041 3041 2 out	1790.9	0.611	0.63	3.51	811	0	Nosema	1	SYELPDGQVVIKIGSER	16	AAB86863	1	actin	0.9555
54	2007-08-16-06 2966 2966 2 out	1329.8	1.51	0.47	2.7	645	0	IIIV6	1	VEKGLSISQIKK	12	NP_149608	1	145L	0.9748
11	2007-08-16-06 782 782 2 out	875.4	0.179	0	2.44	415	0	Nosema	1	EIEDEIK	7	ABE27271	1	unknown	0.9577
47	2007-08-16-06 656 656 2 out	1292.7	0.429	0.43	2.3	281	0	IIIV6	1	STDQTQTIISAK	12	NP_149523	1	060L	0.993
60	2007-08-16-06 2774 2774 2 out	1358.6	1.438	0.17	2.3	475	0	ABPV	1	LNDFLMDYAEK	11	NP_066241	1	replicase polypeptide	0.9839
51	2007-08-16-06 2883 2883 2 out	1320.7	0.649	0.27	2.15	288	0	IIIV6	1	VQFNDNTLNKKN	11	NP_149852	1	389L	0.9867
62	2007-08-16-06 2801 2801 2 out	1392.8	0.46	0.22	2.13	560	0	Nosema	1	SLIM*KANMILDK	13	ABV48894	1	hypothetical spore wall protein	0.9948
28	2007-08-16-06 1011 1011 2 out	1066.6	0.253	0.18	2.12	264	0	IIIV6	1	KFIDM*LKR	9	NP_149701	1	238R	0.9813
66	2007-08-16-06 2903 2903 3 out	1451.7	1.701	0.34	2.12	462	0	Kakugo	1	PM*CPRSPM*LLFK	14	YP_015696	1	polypeptide	1
4	2007-08-16-06 579 579 2 out	759.5	0.248	0.06	2.09	270	0.693	IIIV6	1	KNKEIK	6	NP_149864	1	401R	0.9937
37	2007-08-16-06 665 665 2 out	1108.5	1.56	0.35	2.09	223	1.099	SV	1	VQM*DDSIER	10	AAL79021	1	AF469603_1 polypeptide	0.9911
69	2007-08-16-06 3246 3246 2 out	1498.8	0.501	0.4	2.08	502	0.693	IIIV6	1	EIFICYREGIKK	12	NP_149500	1	037L	1
77	2007-08-16-06 2564 2564 2 out	1826.9	0.563	0.16	2.07	325	0	Nosema	1	SNSCYKVLHGMTLSMR	16	ABE27270	1	unknown	0.9732
43	2007-08-16-06 2834 2834 2 out	1213.7	1.863	0.19	2.03	283	0	IIIV6	1	ELNLENIKK	10	NP_149748	1	285L	0.9855
13	2007-08-16-06 554 554 2 out	932.5	0.065	0.2	1.97	252	1.099	IIIV6	1	NNNKDVTK	8	NP_149921	1	458R	0.9826
57	2007-08-16-06 2655 2655 2 out	1340.6	0.679	0.24	1.97	841	0	KBVIKBV	2	DMIEEAYQLTK	11	NP_851403	1	non-structural polypeptide	0.9629
59	2007-08-16-06 3128 3128 2 out	1350.8	0.581	0.15	1.96	503	0.693	IIIV6	1	FLETLLKPFDK	11	NP_149666	1	203L	0.9589
65	2007-08-16-06 2694 2694 2 out	1450.7	0.568	0.21	1.96	655	0	IIIV6	1	M*KQSKDLDLDNK	13	NP_149879	1	416R	1
70	2007-08-16-06 2661 2661 2 out	1596.8	1.524	0.56	1.9	198	0	Nosema	1	EARFNEIKSEM*AR	14	BAC15534	1	elongation factor 1 alpha	0.9952
19	2007-08-16-06 2243 2243 2 out	964.6	1.594	0.18	1.89	384	0	IIIV6	1	FLSQITK	8	NP_149867	1	404L	0.9878
9	2007-08-16-06 692 692 2 out	815.5	1.317	0.21	1.87	223	1.946	IIIV6	1	KRSLSPK	7	NP_149829	1	366R	0.9686
73	2007-08-16-06 3222 3222 2 out	1638.9	1.464	0.32	1.86	99	1.792	IIIV6	1	VAQLGAFVAQKTDYK	15	NP_149508	1	045L	0.9611
6	2007-08-16-06 565 565 2 out	787.5	1.455	0.14	1.84	436	0	Nosema	1	KAAEKIK	7	BAF76326	1	heat shock protein 70	0.9967
30	2007-08-16-06 2181 2181 2 out	1070.5	0.402	0.17	1.83	192	0	IAPV/IAPV	2	VCLVHNDLR	9	YP_001040002	1	polymyrase polypeptide	0.9865
22	2007-08-16-06 691 691 2 out	1016.6	0.519	0.18	1.82	237	0.693	IIIV6	1	EAGLKVLMR	9	NP_149716	1	253L	0.9699
46	2007-08-16-06 3659 3659 2 out	1280.8	1.233	0.58	1.8	327	0	IIIV6	1	YKLEILFNK	10	NP_149544	1	081L	0.9931
8	2007-08-16-06 2487 2487 2 out	789.5	0.366	0.34	1.78	455	0	Nosema	1	YPKIIR	6	AAC47660	1	mitochondrial-type HSP70	0.9976
71	2007-08-16-06 1313 1313 3 out	1606.8	1.142	0.4	1.77	95	1.386	IIIV6	1	TCGTNGLPMTQNEIK	15	NP_149500	1	037L	0.9697
18	2007-08-16-06 591 591 2 out	960.5	0.063	0.18	1.76	265	0	Nosema	1	ISDEILR	8	ABM26980	1	RNA polymerase II largest subunit	0.9893
48	2007-08-16-06 3164 3164 2 out	1300.8	0.815	0.36	1.76	89	2.079	Nosema	1	WKEGTAVLRK	11	AAB62548	1	glutaminyl-tRNA synthetase	0.9758
68	2007-08-16-06 2682 2682 2 out	1459.8	0.422	0.44	1.74	469	0	IIIV6	1	M*PHYVVVKSPMR	13	NP_149567	1	104L	0.9554
23	2007-08-16-06 2697 2697 2 out	1030.6	0.406	0.39	1.73	233	0	IIIV6	1	VLKVMYGER	9	NP_149485	1	022L	0.9878
24	2007-08-16-06 511 511 2 out	1032.6	0.713	0.19	1.72	261	0	IIIV6	1	EAGLKVLMR	10	NP_149716	1	253L	0.9637
72	2007-08-16-06 2163 2163 3 out	1615.8	1.136	0.4	1.72	434	0	IIIV6	1	VSGEGEHKLLDYIR	14	NP_149475	1	012L	0.9512
78	2007-08-16-06 2567 2567 2 out	1913.9	0.674	0.32	1.69	102	0.693	Nosema	1	AEPTRHHDRYAYIER	15	ABV48889	1	spore wall protein	0.9677
3	2007-08-16-06 613 613 2 out	753.4	0.521	0.19	1.68	213	0.693	IIIV6	1	QAFIFK	6	NP_149735	1	272L	0.9815
53	2007-08-16-06 2814 2814 2 out	1327.7	1.768	0.26	1.67	261	0	IAPV/IAPV	2	KCVSKTYEEIK	11	YP_001040002	1	polymyrase polypeptide	0.9656
32	2007-08-16-06 1065 1065 2 out	1072.5	0.82	0.25	1.66	156	1.386	VDV1/VDV1	2	QM*DYMKLK	9	YP_145791	1	polypeptide	0.9815
33	2007-08-16-06 2125 2125 2 out	1088.6	0.63	0.26	1.66	223	0.693	KBVIKBV/KBVIKBV	4	GCGEQVNLNR	10	YP_308663	1	VP3	0.9607
58	2007-08-16-06 2995 2995 2 out	1344.7	1.938	0.27	1.65	281	0	Nosema	1	GVSTVYGEIQDIK	13	ABE27273	1	unknown	0.9856
14	2007-08-16-06 2735 2735 2 out	946.6	0.562	0.47	1.64	350	0	Nosema	1	LGFLKGR	8	AAT12296	1	chromosome segregation protein	0.9854
52	2007-08-16-06 2419 2419 2 out	1326.8	1.582	0.33	1.62	125	1.099	ABPV/ABPV/ABPV/KBV	9	PIEKVDQLKTR	11	ABO16543	1	nonstructural protein	0.9832
7	2007-08-16-06 1424 1424 2 out	789.4	0.294	0.28	1.59	305	0	Nosema	1	NLADTKK	7	AAQ91615	1	group II large subunit catalase	0.9929
41	2007-08-16-06 885 885 2 out	1183.6	0.769	0.27	1.55	97	1.609	Nosema	1	FISPTDYNVK	10	ABO69717	1	unknown	0.9584
55	2007-08-16-06 3632 3632 2 out	1332.8	0.277	0.28	1.53	153	0.693	Nosema	1	VESSIQSTKIK	12	ABE27277	1	unknown	0.959
17	2007-08-16-06 1070 1070 2 out	959.4	0.726	0.26	1.51	178	0	IIIV6	1	ETFFNSSK	8	NP_149483	1	020L	0.9895

## Test 23

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
11	2007-09-04-20 3155 3155 2 out	1614.9	1.318	0.28	2.96	687	0	IIIV6	1	TILTKVONINIEK	14	NP_149513	1	050L	0.9732
30	2007-09-04-20 3003 3003 3 out	2728.4	1.567	0.33	2.24	89	1.099	IAPV/IAPV	2	STSENPKVGPISSEVSGVKTANGIER	27	YP_001040003	1	structural polypeptide	0.9549
19	2007-09-04-20 5337 5337 3 out	2316.3	0.862	0.34	2.11	131	1.609	Nosema	1	EVEDVYPSEKLLDIVKAQLK	20	ABE26648	1	pol polypeptide	0.9744
18	2007-09-04-20 5520 5520 3 out	2147.2	0.455	0.51	2.07	156	1.386	Nosema	1	MPVQKHKISGIGVYTYGR	19	BAC15534	1	elongation factor 1 alpha	0.9926
14	2007-09-04-20 5360 5360 3 out	1797.9	0.538	0.35	2.04	449	0	IIIV6	1	QGEILLNTLPFDGPR	16	NP_149758	1	295L	0.995
12	2007-09-04-20 5678 5678 2 out	1630.8	1.573	0.31	2.01	422	0	IIIV6	1	QENMLIESHNIM*LR	14	NP_149463	1	468L	0.9573
1	2007-09-04-20 2624 2624 1 out	700.5	1.112	0.17	1.98	417	0	Nosema	1	VXDIK	6	ABM26977	1	RNA polymerase II largest subunit	0.9922
2	2007-09-04-20 2483 2483 2 out	912.5	0.593	0.65	1.96	799	0	IIIV6	1	WLVEPR	7	NP_149675	1	212L	0.9976
6	2007-09-04-20 2489 2489 2 out	1493.9	0.226	0.5	1.94	127	0	IIIV6	1	ALDCLRLPSHLK	13	NP_149590	1	127L	0.9778
9	2007-09-04-20 2291 2291 2 out	1495.7	1.343	0.31	1.93	439	0	IIIV6	1	FHNEKIVCSGSFQ	13	NP_149713	1	250L	0.978
25	2007-09-04-20 5171 5171 3 out	2552.5	1.523	0.34	1.91	156	1.099	Nosema	1	M*FVLAVVFLTKKILNSM*AR	24	AAL28057	1	AF406785_6 calmodulin-dependent protein kinase	0.9831
21	2007-09-04-20 3476 3476 3 out	2427.2	0.145	0.35	1.86	229	0	Nosema	1	SVM*NKYIFKDDIFTGLHR	21	ABE27264	1	unknown	0.9977
28	2007-09-04-20 4644 4644 3 out	2673.5	0.891	0.37	1.8	76	1.792	IIIV6	1	TFKILNFVIFMPVFIFKFMK	22	NP_149511	1	048R	0.976
27	2007-09-04-20 5348 5348 3 out	2671.4	0.178	0.39	1.77	127	0.693	Nosema	1	TIQVARHPALLSEGVLYWSHHEK	23	AAT12295	1	phospholipase D	0.9897
17	2007-09-04-20 5340 5340 3 out	2145.2	0.897	0.37	1.74	241	0.693	KBVIK/KBVIK/KBVIK	4	TNPQKYKQWTLPSVLK	18	AAT76528	2	structural polypeptide	0.9882
15	2007-09-04-20 2744 2744 3 out	1990.1	1.472	0.34	1.73	133	0	VDV1/VDV1	2	TLWADLQGVGEISTSVK	18	YP_145791	1	polypeptide	0.9768
23	2007-09-04-20 4718 4718 3 out	2540.2	1.429	0.45	1.62	152	1.792	IIIV6	1	VLPVNCSSYEDDQANPCFRR	22	NP_149676	1	213R	0.9789
3	2007-09-04-20 2451 2451 2 out	920.5	1.674	0.41	1.58	520	0	Nosema	1	MSEIFVK	8	AAT72741	1	deoxyuridine 5 triphosphate nucleotidehydrolase	1



Test 24														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
30	2007-09-14-15 3528 3528 2 out	1790.9	0.302	0.62	3.38	813	0	Nosema	1	SYELPDGQVIGKISER	16	AAB86863.1	actin	0.9904
17	2007-09-14-15 3678 3678 2 out	1422.7	1.779	0.48	3.01	1124	0	Nosema	1	NKLLNLYACNEK	12	ABE26651.1	pol polyprotein	0.988
41	2007-09-14-15 3593 3593 3 out	2110.1	1.755	0.37	2.71	250	0	Nosema	1	ASLQLKELEMQHNNLVSR	18	AAT12296.1	chromosome segregation protein	0.9756
4	2007-09-14-15 3476 3476 2 out	1143.6	0.118	0.53	2.7	852	0	NosemaNosema	2	LAVNMVFPFR	10	AAN35161.1	beta-tubulin	0.9961
18	2007-09-14-15 4166 4166 2 out	1426.7	0.647	0.5	2.37	390	0	IV6	1	SIDIMYEVSEK	12	NP_149485.1	022L	0.9868
21	2007-09-14-15 3959 3959 2 out	1614.9	0.255	0.3	2.32	328	0.693	IV6	1	TLTITKVQNIIEK	14	NP_149513.1	050L	0.9757
5	2007-09-14-15 774 774 2 out	1171.6	0.35	0.68	2.31	388	0	Nosema	1	HKGVMMVGMQK	11	AAB86863.1	actin	0.9562
10	2007-09-14-15 2705 2705 2 out	1344.7	0.69	0.39	2.3	462	0	IV6	1	IEENNNLEEK	11	NP_149776.1	313L	0.9959
12	2007-09-14-15 4433 4433 2 out	1377.7	1.62	0.48	2.24	185	0	IV6	1	INENNSVGRTQMK	12	NP_149530.1	067R	0.9597
29	2007-09-14-15 4303 4303 3 out	1783	0.046	0.45	2.11	263	0	IV6	1	TITLQKLIETKYGM*K	16	NP_149589.1	126R	0.998
6	2007-09-14-15 3721 3721 2 out	1213.7	1.65	0.29	2.06	307	0	IV6	1	ELNLENIKK	10	NP_149748.1	285L	0.9964
9	2007-09-14-15 1177 1177 2 out	1293.8	1.908	0.5	1.95	291	0	IV6	1	NLFVRFKELK	10	NP_149851.1	388R	0.997
11	2007-09-14-15 3668 3670 2 out	1358.8	0.889	0.4	1.92	323	0	Nosema	1	ALVDTGSTVNIIR	13	ABE26655.1	pol polyprotein	0.9948
23	2007-09-14-15 2754 2755 3 out	1696.9	0.691	0.4	1.9	262	0	IV6	1	KSTVDLYSISGSHVVK	16	NP_149642.1	179R	0.9996
26	2007-09-14-15 3604 3604 3 out	1746.8	1.44	0.43	1.86	273	0	IV6	1	EEDEVYDFANNFVR	14	NP_149731.1	268L	0.9947
1	2007-09-14-15 687 687 1 out	703.4	1.1	0.14	1.85	197	0.693	IV6	1	TIDNIK	6	NP_149800.1	337L	1
31	2007-09-14-15 3227 3227 3 out	1826	0.746	0.42	1.84	335	0	DWV	1	PEMDRILNLAEGLLNK	16	ABE26653.1	polypotein	0.9999
22	2007-09-14-15 2845 2845 3 out	1659.8	0.466	0.48	1.83	358	0	Nosema	1	GEDDLTYKYSDIK	14	AAD12605.1	RNA polymerase II largest subunit	0.9933
2	2007-09-14-15 3562 3562 2 out	1102.7	0.563	0.49	1.82	559	0	Nosema	1	PLKSILLYR	9	ABO69724.1	unknown	0.9953
27	2007-09-14-15 2934 2934 2 out	1755.8	0.419	0.45	1.78	379	0	VDV1	2	RSSLECCQYIEPSTR	15	YP_145791.1	polypotein	0.9884
8	2007-09-14-15 4306 4306 2 out	1230.7	1.161	0.42	1.72	219	0	IV6	1	DKNIADLNSK	11	NP_149883.1	420R	0.9568
19	2007-09-14-15 3074 3074 2 out	1485.9	0.227	0.42	1.69	673	0	Nosema	1	ISRRLTFFLNLR	12	AAT12296.1	chromosome segregation protein	0.9965
33	2007-09-14-15 2894 2894 2 out	1849	0.129	0.47	1.67	166	0	IV6	1	LDSKRTGLIMDFNNPK	16	NP_149642.1	179R	0.971
14	2007-09-14-15 3006 3006 2 out	1389.7	1.512	0.49	1.63	192	0	VDV1	2	NVLIECKANEK	12	YP_145791.1	polypotein	0.9964
25	2007-09-14-15 4360 4360 3 out	1728	1.34	0.39	1.62	527	0	NosemaNosema	3	NLKADLNIAWAVSKGK	16	ABM26981.1	RNA polymerase II largest subunit	0.9737
20	2007-09-14-15 3596 3596 2 out	1516.8	0.456	0.48	1.6	160	0	IV6	1	IHLCPFLNLYQR	12	NP_149487.1	024L	0.985
28	2007-09-14-15 720 720 3 out	1756.9	1.721	0.46	1.6	204	0	Nosema	1	NALRTACLHDCREVR	15	AAT12295.1	phospholipase D	0.999
3	2007-09-14-15 3684 3684 2 out	1122.5	0.602	0.42	1.58	217	0.693	IV6	1	SLMGNCPSVVK	11	NP_149555.1	092R	0.9829

Test 25														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
29	2007-09-14-16 3605 3605 2 out	1790.9	0.303	0.63	3.3	727	0	Nosema	1	SYELPDGQVIGKISER	16	AAB86863.1	actin	0.9978
9	2007-09-14-16 2693 2693 2 out	1344.7	1.543	0.36	2.39	411	0	IV6	1	IEENNNLEEK	11	NP_149776.1	313L	0.9821
13	2007-09-14-16 3834 3834 2 out	1614.9	0.131	0.33	2.36	630	0	IV6	1	TLTITKVQNIIEK	14	NP_149513.1	050L	0.963
14	2007-09-14-16 3593 3593 3 out	1668	0.251	0.52	2.33	779	0	Nosema	1	IKVQEVQDILEK	14	ABE27269.1	unknown	0.9901
26	2007-09-14-16 2374 2374 3 out	1783.8	0.513	0.51	2.2	1234	0	Nosema	1	RIDWSENLMQ*NFSK	15	ABE26653.1	pol polyprotein	1
32	2007-09-14-16 3281 3281 3 out	1829.9	1.56	0.33	2.15	384	0	IV6	1	DIPDFTIRSEYKSMK	15	NP_149530.1	067R	0.9909
6	2007-09-14-16 3540 3540 2 out	1143.6	0.761	0.5	2.13	921	0	Nosema/Nosema	2	LAVNMVFPFR	10	AAN35161.1	beta-tubulin	0.9876
23	2007-09-14-16 2885 2885 3 out	1755.8	0.75	0.54	2.13	802	0	VDV1/VDV1	2	RSSLECCQYIEPSTR	15	YP_145791.1	polyprotein	0.9982
8	2007-09-14-16 624 624 2 out	1182.5	1.667	0.32	2.12	101	1.792	IV6	1	EMEQYNIQK	9	NP_149809.1	346R	0.9958
19	2007-09-14-16 3398 3398 2 out	1691.9	1.872	0.4	2.09	245	0	Nosema	1	ENIKWYTINGPKTK	14	ABO69724.1	unknown	0.9831
24	2007-09-14-16 2780 2780 3 out	1764.9	1.492	0.39	2.03	191	0.693	Nosema	1	EAKTKVIAGENCQVAFK	17	BAC15534.1	elongation factor 1 alpha	0.9996
2	2007-09-14-16 2214 2214 1 out	715.4	0.277	0.16	2	319	0	IV6	1	NIIDK	6	NP_149495.1	032R	1
12	2007-09-14-16 3659 3659 2 out	1608.9	1.662	0.44	1.96	382	0	IV6	1	VDEVLHKVDVVQTK	14	NP_149701.1	238R	0.9758
15	2007-09-14-16 3840 3840 3 out	1676.7	1.217	0.36	1.94	297	0.693	IV6	1	EEYCLHNPNSPDCR	14	NP_149800.1	337L	0.9829
21	2007-09-14-16 5146 5146 3 out	1734	1.552	0.48	1.92	311	0	IV6	1	ITKPIQNQLCSITK	15	NP_149504.1	077L	0.9802
46	2007-09-14-16 3616 3616 3 out	2425.2	0.143	0.38	1.88	329	0	IV6	1	HVLVDVAM*LASSEGVSVYFNDKK	23	NP_149508.1	045L	0.9672
11	2007-09-14-16 3102 3102 2 out	1485.9	0.325	0.49	1.83	536	0	Nosema	1	ISRRLTFIPLNR	12	AAT12296.1	chromosome segregation protein	0.9985
39	2007-09-14-16 2410 2410 3 out	1987.1	1.004	0.43	1.81	208	0	DWV/VDV	2	EXSPISVSNRFAPLESK	18	NP_853560.2	polyprotein	0.9914
3	2007-09-14-16 3446 3446 2 out	1109.6	0.026	0.43	1.72	311	0	IV6	1	M*AM*LRLNTK	11	NP_149463.1	468L	0.9979
18	2007-09-14-16 4989 4989 3 out	1688.8	1.439	0.51	1.68	273	0	IV6	1	FLEEASSSFNDVCK	15	NP_149564.1	101L	0.9994
4	2007-09-14-16 3388 3388 2 out	1122.5	0.68	0.41	1.65	249	0	IV6	1	SLMGNCPSVVK	11	NP_149555.1	092R	0.9747
42	2007-09-14-16 5828 5828 3 out	2075.9	0.208	0.4	1.65	670	0	Nosema	1	FNEQCGREM*EVLMSMKK	18	ABV48900.1	hypothetical spore wall protein	0.9997
5	2007-09-14-16 2315 2315 2 out	1140.7	0.321	0.42	1.64	587	0	IV6	1	RTLPHYILK	9	NP_149639.1	176R	0.9985
31	2007-09-14-16 3155 3155 3 out	1799.9	1.036	0.53	1.64	121	0	IV6	1	SVANDDDIQIDLEKK	16	NP_149669.1	206R	0.9848
25	2007-09-14-16 2605 2605 3 out	1774.8	0.891	0.41	1.61	139	0.693	Nosema	1	DEDKWETLM*TLYSK	15	ABE26648.1	pol polyprotein	0.9997
34	2007-09-14-16 3004 3004 3 out	1849	0.517	0.52	1.58	228	0	IV6	1	LDSKRTGLIMDFNNPK	16	NP_149642.1	179R	0.9897
35	2007-09-14-16 4033 4033 3 out	1859.9	0.745	0.54	1.58	294	0	Nosema	1	IDLRYSTWTWTYYR	14	AAT12295.1	phospholipase D	0.9984
28	2007-09-14-16 6539 6539 3 out	1788.8	0.419	0.43	1.56	148	1.609	Nosema	1	HGAGSAGERAKSTGEDMK	18	AAU11092.1	unknown	1
38	2007-09-14-16 4040 4040 3 out	1950.9	0.237	0.41	1.55	149	1.099	VDV1/VDV1	2	CQHWWYAPLTAIVDDR	16	YP_145791.1	polyprotein	0.9988
1	2007-09-14-16 2314 2314 1 out	713.5	0.93	0.18	1.54	336	0	IV6	1	LINLLK	6	NP_149877.1	414L	1
17	2007-09-14-16 3221 3221 2 out	1683.9	0.472	0.43	1.54	147	0	IV6	1	QWKMEFLNLSFK	13	NP_149723.1	260R	0.9938
16	2007-09-14-16 3810 3810 3 out	1679.9	1.247	0.43	1.51	160	1.099	KBVIKVB	2	TGM*EAM*KRIGDLGR	17	NP_851403.1	non-structural polyprotein	0.9994
47	2007-09-14-16 3184 3184 3 out	2751.4	0.953	0.5	1.5	98	1.099	Nosema	1	M*EIGLIGNM*GRELALNINDKGYK	27	ABO69727.1	unknown	0.9625







Test 28														
SrNo	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
30	2007-09-14-20 3632 3632 2 out	1790.9	0.324	0.56	3.14	661	0	Nosema	1	SYELPDGQVQIGSER	16	AAB86863 1	actin	0.9842
6	2007-09-14-20 3555 3555 2 out	1143.6	0.167	0.5	2.58	632	0	Nosema/Nosema	2	LAVNMVFPFR	10	AAN35161 1	beta-tubulin	0.9975
16	2007-09-14-20 3611 3611 2 out	1377.7	0.684	0.38	2.53	165	0.693	IIIV6	1	NENNNSVGRTQMK	12	NP 149530 1	067R	0.9976
52	2007-09-14-20 3176 3176 3 out	2198.3	0.125	0.43	2.37	262	0	IIIV6	1	KDQILDFAQSLGNPGKLLK	20	NP 149695 1	232R	0.9737
15	2007-09-14-20 2461 2461 2 out	1344.7	1.58	0.38	2.26	313	0.693	IIIV6	1	IENENNLEEK	11	NP 149776 1	313L	0.9708
46	2007-09-14-20 3377 3377 3 out	2003	1.337	0.49	2.23	408	0	IIIV6	1	LIMVTQNNNNKYEMK	16	NP 149564 1	101L	0.9992
43	2007-09-14-20 3909 3909 3 out	1952.1	0.85	0.51	2.12	313	0	Nosema	1	NISNLKKSFDVAIDFK	17	ABE27266 1	unknown	0.9931
21	2007-09-14-20 4431 4431 3 out	1686.8	0.951	0.5	2.11	241	0	IIIV6/IIIV6	2	NTECFNATKLCNSGGK	16	NP 149778 1	315L	0.9999
42	2007-09-14-20 4067 4067 3 out	1949.1	1.027	0.38	2.11	317	0	IIIV6	1	GQSIYINGRLSKLOSER	17	NP 149492 1	029R	0.9851
19	2007-09-14-20 979 979 3 out	1659.9	0.991	0.34	2.07	616	0	IIIV6	1	QCAIAPYLTDAKR	15	NP 149635 1	172L	0.9807
12	2007-09-14-20 643 643 2 out	1202.7	1.299	0.34	2.02	295	0	IIIV6	1	KFPTLEIINK	10	NP 149688 1	225R	0.9879
18	2007-09-14-20 4260 4260 2 out	1426.7	1.57	0.59	1.96	204	0	IIIV6	1	SIDIMYEVSEK	12	NP 149485 1	022L	0.9979
31	2007-09-14-20 319 319 3 out	1791	0.949	0.46	1.95	173	0.693	Nosema	1	LKIDITSLKNM*LEIR	16	ABE26651 1	pol polyprotein	0.9954
39	2007-09-14-20 3317 3317 3 out	1887.1	1.782	0.34	1.92	188	0	IIIV6	1	RIQLLIGM*GVTSKITK	18	NP 149548 1	085L	0.9922
1	2007-09-14-20 2864 2864 1 out	700.5	1.061	0.19	1.9	419	0	Nosema	1	IXDIIK	6	ABM26977 1	RNA polymerase II largest subunit	1
3	2007-09-14-20 3619 3619 2 out	1122.5	0.844	0.42	1.87	225	0	IIIV6	1	SLMGNCPSVVK	11	NP 149555 1	092R	0.9962
17	2007-09-14-20 3086 3086 2 out	1389.7	0.441	0.53	1.87	298	0	VDV1/VDV1	2	NVLIECKANEK	12	YP 145791 1	polyprotein	0.9838
2	2007-09-14-20 3668 3668 2 out	1102.7	0.316	0.48	1.86	441	0	Nosema	1	PLKSILYR	9	ABO69724 1	unknown	0.9985
5	2007-09-14-20 2993 2993 2 out	1135.5	1.859	0.34	1.85	216	0	IIIV6	1	GEENLTEDK	10	NP 149839 1	376L	0.9968
29	2007-09-14-20 3628 3628 3 out	1785.9	0.75	0.37	1.84	228	0	Nosema	1	ADGMKIEEFNKQTM*YK	16	ABV48897 1	hypothetical spore wall protein	0.9834
11	2007-09-14-20 591 591 2 out	1199.7	1.976	0.5	1.77	231	0	IIIV6	1	KVNIQNKDIK	10	NP 149674 1	211L	0.9918
4	2007-09-14-20 3902 3902 2 out	1130.6	1.924	0.4	1.76	170	0	Nosema	1	EVIGIEDDLK	10	ABO69725 1	unknown	0.9826
9	2007-09-14-20 533 533 2 out	1189.6	0.022	0.46	1.76	98	2.197	IIIV6	1	KGDKNTQVGDK	11	NP 149914 1	451L	1
14	2007-09-14-20 3211 3211 2 out	1328.8	1.414	0.4	1.76	514	0	Nosema	1	DEIKLGNIVSK	12	ABE26653 1	pol polyprotein	1
10	2007-09-14-20 3309 3309 2 out	1194.6	0.807	0.41	1.75	248	0.693	IIIV6	1	EAM*EEIKNSK	11	NP 149485 1	022L	0.9983
34	2007-09-14-20 3320 3320 3 out	1826	0.367	0.41	1.75	325	0	DWV	1	PENMDRLINLAEGLLNK	16	ABB36638 1	polyprotein	0.9817
7	2007-09-14-20 2671 2671 2 out	1166.6	0.712	0.37	1.73	140	0	IIIV6	1	LNISM*KESTK	11	NP 149681 1	218R	0.9729
44	2007-09-14-20 3334 3334 3 out	1955.2	0.567	0.36	1.72	149	0	IIIV6	1	MILVLAFHLQKFLLR	16	NP 149845 1	382R	0.9656
49	2007-09-14-20 3950 3950 3 out	2091.1	1.377	0.36	1.69	176	0	IIIV6	1	TMISNEDFVKFNYNKIK	17	NP 149904 1	441R	0.9909
13	2007-09-14-20 3236 3236 2 out	1303.7	0.578	0.42	1.68	253	0.693	KBVK/KBVK/KBVK	4	SKSTKPTSENPK	12	YP 308661 1	VP4	0.9879
25	2007-09-14-20 3046 3046 3 out	1719.9	0.898	0.41	1.67	210	0.693	ABPV	1	NVTMQINSKKNSNK	15	NP 066242 1	capaid protein	0.9795
47	2007-09-14-20 3059 3059 3 out	2034.1	1.768	0.41	1.63	316	0	Nosema	1	LYPGTEAGLVKQGETVCIR	19	AAT12296 1	chromosome segregation protein	0.9947
32	2007-09-14-20 3658 3658 3 out	1794	1.975	0.4	1.58	142	0	BQCV	1	VESSEVIHNPNSLIEK	16	NP 620564 1	nonstructural polyprotein	0.9987
22	2007-09-14-20 4084 4084 3 out	1688.8	0.653	0.38	1.57	460	0	IIIV6	1	FLEEASSFNIDVCK	15	NP 149564 1	101L	0.9939
37	2007-09-14-20 3158 3158 3 out	1839.9	1.061	0.56	1.57	113	0.693	IIIV6	1	NRKFNTYGFVFTSCR	15	NP 149907 1	444R	0.9939
33	2007-09-14-20 3088 3088 3 out	1814	0.138	0.44	1.54	161	1.099	Nosema	1	TFCALAKVQIDFSRSK	16	ABE26655 1	pol polyprotein	0.9902
8	2007-09-14-20 4292 4292 2 out	1184.6	0.269	0.53	1.53	419	0	IIIV6	1	PSDIPDVTVRGK	11	NP 149901 1	438L	0.9934
38	2007-09-14-20 1072 1072 3 out	1842.9	1.214	0.46	1.52	172	1.099	DWV/DWV/DWV/Kakugo/VDV1/VDV1	6	WTSNDVVDYATITSR	16	NP 853560 2	polyprotein	1
45	2007-09-14-20 929 929 3 out	1958.9	0.277	0.56	1.5	238	0.693	IIIV6	1	TDDNANANAEVRDAQDLK	18	NP 149548 1	085L	0.9999

Test 29														
Sr No	File Name	(M+H)	ΔM	ΔCn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
30	2008-08-01 01 1860 1861 2 out	1614.9	0.446	0.28	2.59	662	0	IIIV6	1	TILTTKVQNIIEK	14	NP 149513 1	050L	0.9965
28	2008-08-01 01 1842 1842 2 out	1384.8	0.34	0.31	2.4	440	0	IIIV6	1	FVGADVLLLEPI	13	NP 149910 1	447L	0.9886
37	2008-08-01 01 2475 2475 3 out	1776.9	0.773	0.42	2.15	98	1.386	IIIV6	1	EDFNFTVGGSKIVVIGK	17	NP 149538 1	075L	0.994
24	2008-08-01 01 1928 1928 2 out	1356.8	0.738	0.29	2.08	352	0.693	IIIV6	1	M*VHILQVFLK	12	NP 149648 1	185L	1
29	2008-08-01 01 1467 1467 2 out	1475.7	0.934	0.21	2.04	297	0	IIIV6	1	KNMDCHYPLNK	12	NP 149928 1	465R	0.9781
10	2008-08-01 01 1166 1166 2 out	1157.6	0.887	0.27	2.03	127	1.099	IIIV6	1	LNDSPIQSKR	10	NP 149891 1	428L	0.9828
17	2008-08-01 01 1963 1963 2 out	1268.6	0.307	0.41	1.96	483	0	IIIV6	1	DKMOIYVEDK	10	NP 149676 1	213R	0.9874
23	2008-08-01 01 1117 1117 2 out	1344.7	0.413	0.36	1.91	392	0.693	IIIV6	1	IENENNLEEK	11	NP 149776 1	313L	0.9976
1	2008-08-01 01 1327 1327 1 out	700.5	1.122	0.22	1.9	414	0	Nosema	1	IXDIIK	6	ABM26977 1	RNA polymerase II largest subunit	1
26	2008-08-01 01 1692 1692 2 out	1371.8	0.253	0.41	1.9	152	1.386	Nosema	1	NNILSLKESLK	12	ABO69714 1	unknown	0.9949
19	2008-08-01 01 1468 1468 2 out	1309.8	0.767	0.34	1.89	306	0	IIIV6	1	IKHKALDCLR	11	NP 149590 1	127L	0.9956
34	2008-08-01 01 1741 1741 3 out	1699	1.822	0.38	1.87	130	1.099	Nosema	1	DGGKIVAIGSIVEVLTK	17	AAS16360 1	translation elongation factor 1 alpha	0.9993
12	2008-08-01 01 1540 1540 2 out	1164.6	0.681	0.39	1.85	110	1.386	IIIV6	1	GGISLCM*GLGK	13	NP 149635 1	172L	0.9945
25	2008-08-01 01 1638 1638 2 out	1366.7	1.669	0.34	1.84	558	0	IIIV6	1	INLVLFDDHCR	11	NP 149818 1	355R	1
42	2008-08-01 01 1633 1633 3 out	1826	0.321	0.35	1.84	302	0	DWV	1	PEMDRLINLAEGLLNK	16	ABB36638 1	polyprotein	0.9529
2	2008-08-01 01 1910 1910 2 out	1102.7	0.597	0.34	1.81	354	0	Nosema	1	PLKSILYR	9	ABO69724 1	unknown	1
27	2008-08-01 01 1729 1729 2 out	1379.8	0.084	0.27	1.79	467	0	IIIV6	1	YICEISIKLGK	12	NP 149689 1	226R	0.9932
46	2008-08-01 01 2071 2071 3 out	1915	0.948	0.45	1.79	264	0	Nosema	1	DELAGTGEEIIGDKAKR	18	ABY49795 1	hypothetical spore wall protein 13	0.9845
36	2008-08-01 01 2440 2440 3 out	1760.9	0.715	0.45	1.77	109	1.609	Nosema	1	VYLDGMIYSKSVK	14	ABE26648 1	pol polyprotein	0.9895
22	2008-08-01 01 1568 1568 2 out	1328.8	1.65	0.35	1.72	328	0	Nosema	1	DEKILGNIVSK	12	ABE26653 1	pol polyprotein	0.9967
35	2008-08-01 01 1365 1365 3 out	1701.8	0.993	0.47	1.71	283	0	IIIV6	1	EKDNLEKNAQNQR	14	NP 149642 1	179R	0.9719
52	2008-08-01 01 4255 4255 3 out	2138.1	0.037	0.44	1.7	205	0.693	IIIV6	1	NSLNNEEREILINAVPNAK	19	NP 149672 1	209R	0.9582
41	2008-08-01 01 2419 2419 3 out	1793	1.413	0.4	1.68	244	0	IIIV6	1	ELTSKEEIELYPTK	15	NP 149701 1	238R	1
7	2008-08-01 01 2182 2182 2 out	1154.5	0.499	0.32	1.67	331	0	Nosema	1	IMEDSKSSENK	10	AAQ91615 1	group II large subunit catalase	0.9505
45	2008-08-01 01 2196 2196 3 out	1831.9	0.304	0.46	1.67	161	0	IIIV6	1	RDEEETLNPTITSKAK	16	NP 149512 1	049L	0.9947
49	2008-08-01 01 3002 3002 3 out	1979	0.372	0.48	1.66	204	1.386	Nosema	1	QNNLNKIM*TLFNEDR	17	ABE27266 1	unknown	0.9948
40	2008-08-01 01 558 558 3 out	1782.8	0.529	0.44	1.65	160	0	IIIV6	1	NQLQM*LSSESLDM*WR	16	NP 149605 1	142R	0.9903
6	2008-08-01 01 798 798 2 out	1143.7	0.846	0.32	1.61	176	0	Nosema	1	LISLTRLISK	10	ABE26651 1	pol polyprotein	0.9935
39	2008-08-01 01 422 424 3 out	1781.1	0.02	0.4	1.58	236	0	Nosema	1	PCKVILRAANGTGLIVR	17	ABE26655 1	pol polyprotein	0.973
48	2008-08-01 01 2116 2116 3 out	1971	1.708	0.46	1.58	191	0.693	IIIV6	1	SDPIARFFKYQSGDVIK	17	NP 149917 1	454R	0.9667
4	2008-08-01 01 194 194 2 out	1116.6	1.661	0.36	1.57	201	0	Nosema	1	SGAGNLTQIK	11	AAS16360 1	translation elongation factor 1 alpha	0.983
50	2008-08-01 01 2460 2460 3 out	1980.1	0.85	0.4	1.53	203	0	MSCUT	1	RFLNNYFLAVGVGGAR	18	ABQ96192 1	vesa	0.9912
9	2008-08-01 01 315 315 2 out	1157.5	1.621	0.32	1.52	234	0	IIIV6	1	FMEDVM*NGK	10	NP 149508 1	045L	0.9977
13	2008-08-01 01 1183 1183 2 out	1182.6	0.556	0.38	1.52	121	1.099	IIIV6	1	VLVHCQAGISR	11	NP 149586 1	123R	0.9919
18	2008-08-01 01 3917 3917 2 out	1277.7	0.464	0.57	1.52	103	0	IIIV6	1	NNVPRRSPSPR	11	NP 149695 1	232R	1
20	2008-08-01 01 2134 2134 2 out	1311.8	1.904	0.37	1.52	169	0	ABPV	1	INNVVDGKIVSK	12	NP 066241 1	replicase polyprotein	0.9857
33	2008-08-01 01 4144 4144 3 out	1696	0.614	0.41	1.52	137	0	IIIV6	1	LDIAIEHLTPKGEATK	16	NP 149495 1	022L	0.9953
14	2008-08-01 01 849 849 2 out	1189.6	0.212	0.34	1.51	253	0	IIIV6	1	LYGIIQCDTK	10	NP 149843 1	380R	0.9964
43	2008-08-01 01 1620 1620 3 out	1827.9	1.039	0.41	1.5	283	0	IIIV6	1	ENKNLFIPTDDPPLSK	16	NP 149750 1	287R	0.9848
53	2008-08-01 01 1788 1788 3 out	2692.4	0.09	0.48	1.5	98	0.693	Nosema	1	ICLEAAETLERSGVSCVINLVSR	25	AAI28055 1	4 pyruvate dehydrogenase E1 beta subun	0.999







Test 32

Sr No	File Nama	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
18	2008-08-01-05 2663 2663 2 out	1457.9	0.577	0.72	3.8	1482	0	Nosema/Nosema/Nosema	5	IAQVVSSTASLR	14	AAZ23550	alpha-tubulin	0.9807
7	2008-08-01-05 1941 1941 2 out	1143.6	0.677	0.62	3.46	968	0	Nosema/Nosema	2	LAVNMVPPFR	10	AAJ35161	beta-tubulin	0.9655
38	2008-08-01-05 2003 2003 2 out	1790.9	0.483	0.5	2.82	868	0	Nosema	1	SYELPDGOVIGKSER	16	AAB96863	actin	0.9923
21	2008-08-01-05 3709 3709 2 out	1614.9	0.498	0.27	2.53	613	0	IV6	1	TILTKVQINIEK	14	NP_149513	050L	0.9793
2	2008-08-01-05 767 767 1 out	715.4	1.048	0.07	2.43	354	0	IV6	1	NIIDK	6	NP_149495	032R	1
8	2008-08-01-05 509 509 2 out	1171.6	0.366	0.57	2.4	426	0	Nosema	1	HKGVMVGMGQK	11	AAB96863	actin	0.9822
5	2008-08-01-05 1498 1498 2 out	1130.6	0.582	0.45	2.37	426	0	Nosema/Nosema/Nosema	14	FPGQLNADLR	10	AAZ23552	beta-tubulin	0.9884
13	2008-08-01-05 2196 2196 2 out	1268.6	1.711	0.4	2.27	390	0.693	IV6	1	DKMQIYVEK	10	NP_149676	213R	0.9831
47	2008-08-01-05 2397 2397 2 out	1959	1.194	0.56	2.23	336	0	IV6	1	YTSPLSLFEDASLSTK	18	NP_149595	132L	0.9907
15	2008-08-01-05 1859 1859 2 out	1377.7	1.865	0.4	2.17	202	0	IV6	1	NENNSVGRTOVK	12	NP_149530	067R	0.9907
17	2008-08-01-05 2358 2358 2 out	1452.8	0.856	0.33	2.17	517	0	IV6	1	VDSEMAFERIKK	12	NP_149606	143R	1
39	2008-08-01-05 3051 3051 3 out	1826	1.029	0.51	2.17	630	0	DWV	1	PEMDRLNLAEGLLNK	16	ABB36638	polyprotein	0.9805
40	2008-08-01-05 3856 3856 3 out	1834	0.343	0.44	2.13	121	1.386	IV6	1	LNIEIQKFLDLEKK	15	NP_149506	043L	0.9734
10	2008-08-01-05 2261 2261 2 out	1199.7	0.653	0.4	2.12	398	0.693	IV6	1	AQDINAKKALK	11	NP_149701	238R	1
41	2008-08-01-05 46 46 3 out	1847.1	1.3	0.5	2.08	288	0	IV6	1	KILNEKYLTQINIEK	15	NP_149642	179R	0.9975
12	2008-08-01-05 1931 1931 2 out	1229.6	1.677	0.39	2.07	242	0.693	Nosema/Nosema	2	ISDOFSVMFR	20	AAJ35161	beta-tubulin	0.9738
66	2008-08-01-05 2848 2848 3 out	2320.2	2	0.42	2.07	145	0	IV6	1	EHKLDYSYLNFAVHFLGSK	20	NP_149500	037L	0.9846
44	2008-08-01-05 630 630 3 out	1932.1	0.56	0.44	2.06	279	0	IV6	1	LTINEINFIQFQPR	16	NP_149802	343L	0.9802
20	2008-08-01-05 2981 2981 2 out	1570.8	1.973	0.42	2.04	345	0	IV6	1	YENDTVPIPAKPK	14	NP_149612	149L	0.959
27	2008-08-01-05 2963 2963 3 out	1695.8	0.404	0.41	2.04	252	0.693	Nosema	1	SECLGGAVLSM*AAVLR	18	AAL28056	AF406785_5 unknown	0.9506
3	2008-08-01-05 2050 2050 2 out	1102.7	1.281	0.45	1.99	535	0	Nosema	1	PLKSILYR	9	ABO69724	unknown	0.9789
1	2008-08-01-05 1235 1235 1 out	700.5	1.163	0.21	1.98	410	0	Nosema	1	VXDIK	6	ABM26977	RNA polymerase II largest subunit	1
36	2008-08-01-05 2363 2363 3 out	1763.9	1.489	0.38	1.95	368	0	Nosema	1	TKLITEKCLECQLNK	15	ABE26650	pol polyprotein	0.9691
30	2008-08-01-05 863 863 3 out	1719.9	0.896	0.33	1.88	243	0	IV6	1	YFKGLGTTKHEDEVK	15	NP_149508	045L	0.9723
55	2008-08-01-05 1343 1343 3 out	2063	1.087	0.37	1.87	141	1.099	BOCV	1	MVAQSGPVMSQSLSDRVDR	19	NP_620564	nonstructural polyprotein	0.9805
37	2008-08-01-05 825 825 3 out	1775.8	1.55	0.47	1.86	171	0	IV6	1	SCFNRLNTPCM*CRSK	16	NP_149620	157L	0.9691
65	2008-08-01-05 2580 2580 3 out	2320.1	1.042	0.39	1.8	129	0.693	IV6	1	CAKGCCILNFTIEHFKK	20	NP_149877	414L	0.9595
31	2008-08-01-05 3060 3060 3 out	1722.9	0.974	0.44	1.76	319	0	IV6	1	KICFTPLRGDLNCK	15	NP_149747	284R	0.9584
34	2008-08-01-05 4457 4457 3 out	1761.9	0.989	0.54	1.76	191	0	DWV	1	VEVGQEGAGCFFKPK	16	AAJ49283	polyprotein	0.974
46	2008-08-01-05 2674 2674 3 out	1954.1	0.358	0.45	1.76	59	1.386	IV6	1	ILPETTLISQIEVGSIK	18	NP_149692	229L	0.9738
57	2008-08-01-05 743 743 3 out	2142.2	1.834	0.39	1.74	175	0	KBVIKBV	2	PSLVHGM*ISDIKTKPAYLR	20	NP_851403	non-structural polyprotein	0.9733
51	2008-08-01-05 3208 3208 3 out	1993.1	0.201	0.34	1.73	284	0	IV6	1	SIKTEHELYSLLSLTK	17	NP_149765	302L	0.9753
19	2008-08-01-05 2073 2073 2 out	1516.8	0.457	0.44	1.72	171	0	IV6	1	IHCLPFLNLYQR	12	NP_149487	024L	0.9752
64	2008-08-01-05 3138 3138 3 out	2302.2	1.673	0.35	1.72	325	0	Nosema	1	CAKEM*GVPPVCLDTRGPEVR	22	ABO69719	unknown	0.9702
14	2008-08-01-05 3783 3783 2 out	1299.8	1.765	0.43	1.68	368	0	IV6	1	VKMRQANVLQL	11	NP_149874	410L	0.9898
25	2008-08-01-05 2254 2254 3 out	1681	0.783	0.39	1.65	198	0	IV6	1	IDNISLFFKPLFVK	14	NP_149806	343L	0.9926
53	2008-08-01-05 1222 1222 3 out	2034.9	1.8	0.37	1.65	151	0	IV6	1	RSILGEM*SEM*QOYM*QK	19	NP_149674	211L	0.9994
48	2008-08-01-05 4290 4290 3 out	1970	0.119	0.4	1.64	189	0	IV6	1	IVDYKPNGKFGISGLSM*K	19	NP_149803	340R	0.9995
6	2008-08-01-05 4116 4116 2 out	1132.6	1.776	0.5	1.63	252	0	Nosema/Nosema/Nosema	5	PSIVMEGMLR	10	ABM26981	RNA polymerase II largest subunit	0.9725
29	2008-08-01-05 1145 1145 3 out	1716	1.871	0.38	1.63	269	0	IV6	1	ESIKDSIKVSILEVR	15	NP_149548	085L	0.9525
43	2008-08-01-05 1264 1264 3 out	1900	1.707	0.49	1.63	189	0.693	Nosema/Nosema/Nosema	3	KLDMGAKEYSLM*GLLSK	18	ABM26981	RNA polymerase II largest subunit	0.9844
9	2008-08-01-05 1295 1295 2 out	1190.6	1.778	0.47	1.62	120	0	Nosema	1	NELQAFIDK	10	ABE27268	unknown	1
28	2008-08-01-05 1551 1551 3 out	1710.8	0.577	0.37	1.54	198	0	IV6	1	NIDDVTNM*QFLEKK	15	NP_149832	369L	0.9874
52	2008-08-01-05 976 976 3 out	1998	1.33	0.43	1.52	313	0	IV6	1	KLYGECFNICQAEIDK	17	NP_149535	072R	0.9808
24	2008-08-01-05 191 191 3 out	1674.9	1.363	0.36	1.5	242	0	IV6	1	ALLEVFNKLNDKRR	14	NP_149851	388R	0.9723
26	2008-08-01-05 3608 3608 3 out	1693.9	0.562	0.47	1.5	212	0	IV6	1	IIM*M*ICQVKKVDIK	16	NP_149575	112R	0.9686

Test 33

Sr No	File Nama	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
21	2008-08-01-07 1768 1769 2 out	1614.9	1.519	0.34	2.94	687	0	IV6	1	TILTKVONINIEK	14	NP_149513	050L	0.9579
12	2008-08-01-07 1970 1970 2 out	1285.7	0.362	0.48	2.54	1136	0	IV6	1	EAQKIEKIGNR	11	NP_149612	149L	0.9707
7	2008-08-01-07 1495 1495 2 out	1172.7	1.654	0.36	2.24	520	0	Nosema	1	SIVLGCKILVK	11	ABE26650	pol polyprotein	0.9748
15	2008-08-01-07 1099 1099 2 out	1344.7	0.523	0.27	2.17	487	0	IV6	1	IENENNLEEIK	11	NP_149776	313L	0.9886
27	2008-08-01-07 1860 1860 3 out	1746.8	1.915	0.4	2.1	118	1.099	IV6	1	EEDVYDFANNFVR	14	NP_149731	268L	0.9743
22	2008-08-01-07 1606 1606 2 out	1630.8	0.597	0.35	2.08	309	0.693	IV6	1	QENMLUESHNM*LR	14	NP_149463	468L	0.9851
13	2008-08-01-07 1351 1351 2 out	1315.7	0.317	0.31	2.07	313	0	IV6	1	NEFNILNENLP	11	NP_149589	126R	0.9944
4	2008-08-01-07 925 925 2 out	1144.6	0.181	0.36	2.04	488	0	Nosema	1	VLHGMTLSMR	10	ABE27270	unknown	0.9844
8	2008-08-01-07 1160 1160 2 out	1203.6	0.461	0.33	2.03	232	0	ABPV	1	NNSIKMATPVK	11	NP_066242	capsid protein	0.9823
17	2008-08-01-07 2207 2207 2 out	1419.7	1.894	0.41	1.95	363	0	Nosema	1	LESICATAAEGAKR	14	AAT72742	60S ribosomal protein L10a	0.9987
28	2008-08-01-07 5174 5174 3 out	1751	0.468	0.41	1.95	134	0.693	IV6	1	IMKIFTYFLKIDKG	14	NP_149715	252L	0.9835
6	2008-08-01-07 1132 1132 2 out	1158.6	0.619	0.3	1.91	135	1.099	IV6	1	KRNAEAWQR	9	NP_149676	213R	0.9964
25	2008-08-01-07 953 953 3 out	1718.9	1.494	0.45	1.91	191	0.693	IV6	1	QIMSGQLCLDINAKGK	16	NP_149579	116L	0.9925
30	2008-08-01-07 1646 1646 2 out	1757	1.27	0.41	1.88	92	0	SV	1	AFVRNQTHKTATAGVR	16	AAT45735	structural polyprotein	0.9685
26	2008-08-01-07 1890 1890 3 out	1738.9	0.074	0.46	1.86	131	0	BOCV	1	YWTGSLVYTFKFKV	14	NP_620565	structural polyprotein	0.9961
35	2008-08-01-07 1578 1578 3 out	1825.9	0.288	0.53	1.79	122	0.693	BOCV	1	FQDEVREIALGLSGYE	16	NP_620564	nonstructural polyprotein	0.9624
20	2008-08-01-07 1826 1826 2 out	1532.7	0.767	0.43	1.78	427	0	ABPV	1	NKDEFTKM*CWSK	13	NP_066241	replicase polyprotein	0.9876
36	2008-08-01-07 2230 2230 3 out	1831.9	1.964	0.41	1.74	142	0	IV6	1	RDEEETLNPTITSKAK	16	NP_149512	049L	0.9722
19	2008-08-01-07 1394 1394 2 out	1485.9	0.343	0.43	1.72	406	0	Nosema	1	ISRRLTFLNLR	12	AAT12296	chromosome segregation protein	0.9922
29	2008-08-01-07 1364 1364 3 out	1754	0.507	0.37	1.69	171	0	IV6	1	NEIKKIFSLHHFK	14	NP_149837	374R	0.9562
39	2008-08-01-07 734 734 3 out	1891	1.588	0.38	1.69	348	0	IV6	1	RKNINFTELSNNDPTK	16	NP_149611	148R	0.9872
14	2008-08-01-07 1049 1049 2 out	1323.5	0.586	0.38	1.68	74	1.099	Nosema	1	EEDSEKNDK	11	ABV48893	hypothetical apore wall protein	0.9931
37	2008-08-01-07 2168 2168 3 out	1835.9	1.188	0.39	1.67	249	0	Nosema	1	ERIFSQEVKGHYSQK	15	ABE27274	unknown	0.9591
16	2008-08-01-07 1614 1614 2 out	1399.6	1.745	0.51	1.62	295	0	IV6	1	FRSDMQESLMR	11	NP_149676	213R	0.9975
5	2008-08-01-07 1810 1810 2 out	1145.6	0.077	0.38	1.6	137	0	IV6	1	FFFSFVKHS	9	NP_149924	461R	0.9988
10	2008-08-01-07 1290 1290 2 out	1264.7	0.996	0.43	1.58	341	0	IV6	1	ITMNFKNRLK	10	NP_149777	314L	0.9521
32	2008-08-01-07 1634 1634 2 out	1769.8	1.61	0.38	1.58	424	0	IV6	1	FEASEMYSWYKSNK	10	NP_149902	439L	0.9878
18	2008-08-01-07 1200 1200 2 out	1441.8	1.82	0.37	1.57	117	0	IV6	1	KNIVKIEDEVVR	12	NP_149513	050L	0.998
44	2008-08-01-07 966 966 3 out	2049	0.325	0.52	1.57	288	0	Nosema	1	RNLMM*NRIFEQFHWLK	16	ABE27267	unknown	0.9945
9	2008-08-01-07 720 720 2 out	1214.6	1.551	0.41	1.55	185	0	IV6	1	AQVYGCVSFLK	11	NP_149485	022L	0.9858
34	2008-08-01-07 967 967 3 out	1817.9	1.28	0.39	1.55	274	0	KBVIKBVKB	3	TPVIEAQTSGDNMTLK	17	NP_851403	non-structural polyprotein	0.9669
46	2008-08-01-07 1157 1157 3 out	2143.1	1.781	0.43	1.54	125	1.386	IV6	1	IKIEDDGTMT*HNDGQVIK	20	NP_149508	045L	0.9892
31	2008-08-01-07 1787 1787 2 out	1763.1	0.152	0.56	1.53	371	0	Nosema	1	RMFVLAVLVLFLTK	15	AAL28057	AF460785 6 calmodulin dependent protein kinase	0.9876
43	2008-08-01-07 2098 2098 3 out	2016.1	1.606	0.46	1.52	308	0	DWV	1	IPGKTRFISISPYGQPYR	18	ABD39713	polyprotein	0.9754



Test 34

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA ID#	Protein	PP
11	2008-08-01-08 2091 2091 2 out	1268.6	1.594	0.38	2.58	430	1.099	0 Nosema	1	DKMIDYVEDK	10 NP 149676	213R	0.9843
29	2008-08-01-08 4325 4325 2 out	1614.9	0.554	0.26	2.52	481	0	0 Nosema	1	TILTTKQVNIIEK	14 NP 149513	050L	0.9512
33	2008-08-01-08 1968 1968 3 out	1670.8	0.257	0.34	2.43	586	0	0 Nosema	1	EM*LDRLMMEDMK	14 NP 149463	1468L	0.9873
21	2008-08-01-08 1846 1846 2 out	1377.7	1.782	0.35	2.28	179	0	0 Nosema	1	NENNNSVGRQTMK	12 NP 149530	067R	0.9926
20	2008-08-01-08 989 989 2 out	1344.7	1.459	0.29	2.15	360	0.693	0 Nosema	1	IENENNLEEIK	11 NP 149776	131L	1
28	2008-08-01-08 1328 1328 2 out	1592.8	0.381	0.33	2.15	312	0	0 Nosema	1	NYPTQDEMCKLLK	13 NP 149675	121L	0.9925
2	2008-08-01-08 797 797 1 out	715.4	0.96	0.03	2.12	317	0	0 Nosema	1	NIIDK	6 NP 149495	032R	1
27	2008-08-01-08 1587 1587 2 out	1534.8	1.783	0.43	2.05	519	0	0 Nosema	1	MPFGLVNGPATFOR	14 ABE26655	1	0.9731
17	2008-08-01-08 1605 1605 2 out	1332.7	0.171	0.34	2.04	439	0	0 Nosema	1	TWLLGSSNVOK	12 NP 149524	061R	0.9879
16	2008-08-01-08 2134 2134 2 out	1314.8	1.407	0.47	2.02	171	0	0 Nosema	1	VTLNIEIQIK	11 NP 149561	1	0.985
5	2008-08-01-08 2654 2654 2 out	1122.5	0.761	0.41	1.98	272	0	0 Nosema	1	SLMGNCPSVVK	11 NP 149555	092R	0.985
26	2008-08-01-08 2424 2424 2 out	1490.8	0.401	0.43	1.91	413	0	0 Nosema	1	INVSVEFIIIDK	13 NP 149490	027L	0.9895
19	2008-08-01-08 2655 2655 2 out	1338.7	1.06	0.36	1.9	430	0	0 Nosema	1	TMKLYEAGALNK	12 NP 149612	149L	0.9944
35	2008-08-01-08 402 402 3 out	1698.8	1.922	0.45	1.89	142	0	0 Nosema	1	GTSEAEIFSTGDVVMR	16 ABE26648	1	0.9781
3	2008-08-01-08 974 974 2 out	1103.5	0.725	0.46	1.86	370	0	0 Nosema	4	BQCVIBQCVIBQCVIBQCV	8 ABC95162	1	1
51	2008-08-01-08 3974 3974 3 out	2075.9	0.882	0.39	1.85	942	0	0 Nosema	1	FNEQCGRM*EVLMSMKK	18 ABV48900	1	0.9981
1	2008-08-01-08 783 783 1 out	713.5	1.085	0.16	1.84	365	0	0 Nosema	1	LINLLK	6 NP 149877	1	1
6	2008-08-01-08 1173 1173 2 out	1129.6	1.534	0.39	1.84	638	0	0 Nosema	1	KRNAWDIAR	9 NP 149752	1	0.9914
30	2008-08-01-08 4354 4354 3 out	1666.9	1.387	0.46	1.84	201	1.099	0 Nosema	2	NVRVDGEVINMKHR	14 NP 851403	1	0.9886
56	2008-08-01-08 3006 3006 3 out	2292.2	1.891	0.41	1.84	174	0	0 Nosema	1	RVNAEYPTVPVEGM*LAIWCK	21 NP 149872	1	0.9835
10	2008-08-01-08 2216 2216 2 out	1266.7	1.729	0.35	1.83	605	0	0 Nosema	3	KFIATDEDLK	11 NP 149374	1	0.9688
34	2008-08-01-08 780 780 3 out	1673.9	1.517	0.45	1.83	128	1.609	0 Nosema	1	ENGDMVPLNLGLFVR	15 NP 066241	1	0.9773
8	2008-08-01-08 1455 1455 2 out	1186.7	1.523	0.37	1.81	271	0	0 Nosema	1	HHAIPKINEK	10 NP 149858	1	0.9779
47	2008-08-01-08 2879 2879 2 out	1947.8	1.143	0.55	1.81	107	0	0 Nosema	1	FNEQCGRM*EVLMSMK	17 ABV48900	1	0.9737
57	2008-08-01-08 1962 1962 3 out	2378.2	0.866	0.48	1.8	207	0	0 Nosema	1	TEGDFMIVQVELKATAGTYIK	21 ABE27255	1	0.9502
12	2008-08-01-08 1154 1154 2 out	1269.6	0.56	0.4	1.78	107	1.946	0 Nosema	1	GGMREYCVRAK	11 ABE26249	1	1
46	2008-08-01-08 2464 2464 2 out	1875.1	1.292	0.44	1.77	110	0	0 Nosema	1	ILNFVIMPFVFIFK	15 NP 149511	1	0.9556
44	2008-08-01-08 74 74 3 out	1847.1	1.185	0.4	1.75	155	1.609	0 Nosema	1	KILNEKYLTQINIEK	15 NP 149642	1	0.9953
58	2008-08-01-08 1972 1972 3 out	2479.4	0.416	0.46	1.75	203	0	0 Nosema	1	GSGLPFGGQILSGDLLQLPVVK	24 NP 149493	1	0.9919
24	2008-08-01-08 1460 1460 2 out	1485.9	0.355	0.36	1.74	443	0	0 Nosema	1	ISRRITFIPLNR	12 AAT12296	1	0.9959
15	2008-08-01-08 1176 1176 2 out	1308.6	0.656	0.36	1.72	389	0	0 Nosema	1	EDDLSVLTSSSR	12 NP 149485	1	0.9925
55	2008-08-01-08 2097 2097 3 out	2169.2	0.006	0.49	1.71	231	0	0 Nosema	1	IDADLGGGMVEIKALIKK	20 NP 149618	1	0.9786
25	2008-08-01-08 784 784 2 out	1486.7	1.247	0.4	1.7	151	0.693	0 Nosema	1	YVEKIDTEMKTDK	12 NP 149856	1	0.9901
18	2008-08-01-08 1922 1922 2 out	1332.8	0.281	0.43	1.69	203	0.693	0 Nosema	1	VESSIQSTKIK	12 ABE27277	1	0.9854
41	2008-08-01-08 269 269 3 out	1757.8	0.045	0.45	1.68	341	0	0 ABPV	1	VIAGDFSTFDGSLNVC	17 AAD02102	1	0.9697
7	2008-08-01-08 736 736 2 out	1133.7	0.145	0.43	1.67	213	0.693	0 Nosema	1	LAARYRLDR	9 AAT12295	1	0.9827
36	2008-08-01-08 4530 4530 3 out	1717.0	0.644	0.45	1.67	164	0	0 Nosema	1	TLIFKTKDYSFIK	14 NP 149716	1	0.9792
45	2008-08-01-08 1259 1259 3 out	1849.1	1.786	0.44	1.65	217	0	0 Nosema	1	LDSKRTGLIMDFNPK	16 NP 149642	1	0.9867
4	2008-08-01-08 720 720 2 out	1105.6	1.594	0.4	1.64	120	1.099	0 Nosema	13	LM*APDTVSQK	11 YP 308662	1	0.99
14	2008-08-01-08 2493 2493 2 out	1294.6	1.22	0.39	1.63	142	0.693	0 Nosema	1	GLGSLFFIFPYM*	12 NP 149862	1	0.9846
50	2008-08-01-08 4280 4280 3 out	2042.2	1.323	0.48	1.58	168	0.693	0 Nosema	1	IELSQADSTRKALVELR	18 AAC47660	1	0.9539
40	2008-08-01-08 4466 4466 3 out	1749.9	1.636	0.38	1.57	177	0	0 Nosema	1	IFYLSKVNMILCQYK	14 NP 149711	1	0.9673
37	2008-08-01-08 4130 4130 3 out	1734.7	0.516	0.41	1.51	370	0	0 Nosema	1	M*SKAMTEYSQNWOK	15 ABE26649	1	0.9652

Test 35

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA ID#	Protein	PP
38	2008-08-01-01 1837 1837 2 out	1790.9	0.601	0.65	3.73	846	0	Nosema	1	SYELPDGQVQIKISER	16 AAB86863	1	1
6	2008-08-01-01 1789 1789 2 out	1143.6	0.439	0.6	3.06	662	0	Nosema/Nosema	2	LAVNMVFPFR	10 AAN35161	1	0.9863
21	2008-08-01-01 1869 1869 2 out	1614.9	1.631	0.44	2.96	458	0	ilV6	1	TILTTKQVNIIEK	14 NP 149513	1	0.9889
8	2008-08-01-01 1513 1513 2 out	1172.7	1.573	0.37	2.6	564	0.693	Nosema	1	SIVLGCKILVK	11 ABE26650	1	0.9927
7	2008-08-01-01 715 715 2 out	1171.6	1.576	0.4	2.28	372	0	Nosema	1	HKGVMVMGMGQK	11 AAB86863	1	0.9963
10	2008-08-01-01 760 760 2 out	1179.5	0.56	0.34	2.26	682	0	Nosema	1	EVECLRAECK	10 ABV48890	1	0.9741
17	2008-08-01-01 991 991 2 out	1344.7	1.53	0.28	2.2	359	0.693	ilV6	1	IENENNLEEIK	11 NP 149776	1	0.9893
9	2008-08-01-01 1286 1286 2 out	1178.7	0.582	0.29	2.19	471	0	ilV6	1	LINIEKFSK	10 NP 149500	1	0.9919
15	2008-08-01-01 1996 1996 2 out	1280.8	0.555	0.29	2.1	423	0.693	Nosema	1	VM*UGYSKIK	12 ABM26979	1	0.9964
32	2008-08-01-01 545 545 3 out	1715.9	0.087	0.42	2.1	209	0	ilV6	1	IVENLYLGNQNGIR	15 NP 149586	1	0.9867
16	2008-08-01-01 2272 2272 2 out	1283.8	1.746	0.32	2.04	161	1.099	ilV6	1	LVNSGNAILRVK	12 NP 149639	1	0.987
22	2008-08-01-01 1574 1574 3 out	1666.7	1.532	0.34	2.04	237	0	ilV6	1	DLSGQSEM*SEYYNK	15 NP 149676	1	0.9545
52	2008-08-01-01 2322 2322 3 out	2410.3	1.255	0.39	2.03	544	0	ilV6	1	M*QCHYKINVSVEFIITDK	21 NP 149490	1	0.9834
5	2008-08-01-01 1474 1474 2 out	1140.6	0.847	0.4	1.94	200	0	Nosema	1	DAIAFYAEAK	10 AAL28052	1	0.9962
11	2008-08-01-01 734 734 2 out	1198.7	1.443	0.31	1.94	357	0	ilV6	1	KLLWDWLPK	9 NP 149515	1	0.9969
13	2008-08-01-01 1562 1562 2 out	1234.6	1.742	0.37	1.93	944	0	Nosema	1	YLSFVHQPGR	10 AAT12294	1	0.9833
18	2008-08-01-01 1740 1740 2 out	1377.7	0.657	0.4	1.91	220	0	ilV6	1	NENNNSVGRQTMK	12 NP 149530	1	0.996
27	2008-08-01-01 1276 1276 3 out	1686.9	1.196	0.45	1.91	205	0	SVISVSVISV/SV	5	LGFPFHKGKSDAVAM*R	17 NP 049374	1	0.9607
28	2008-08-01-01 204 204 3 out	1689.8	1.972	0.66	1.89	231	0	Nosema	1	KFSDCEKNYSIVEK	14 ABE26651	1	0.9953
30	2008-08-01-01 1227 1227 3 out	1694.8	0.058	0.44	1.88	190	0	Nosema	1	NQYCVSCACHAKVR	15 ABE27275	1	0.9524
19	2008-08-01-01 1809 1809 2 out	1401.8	1.427	0.43	1.86	286	0	ilV6	1	ELNLLTNTENK	12 NP 149803	1	1
41	2008-08-01-01 2655 2655 3 out	2015.9	0.223	0.43	1.85	234	0	Nosema	1	EGLSLFAYMKGEENNEK	18 AAD12605	1	0.9673
20	2008-08-01-01 2594 2594 2 out	1521.8	1.333	0.34	1.83	242	0	ilV6	1	FIFPNVDIDIVK	13 NP 149597	1	0.986
23	2008-08-01-01 2636 2636 3 out	1666.8	0.45	0.41	1.83	185	0	Nosema	1	LVPM*GFTTASAYHQK	16 AAK68858	1	0.9655
43	2008-08-01-01 4874 4874 3 out	2057.1	1.642	0.58	1.83	129	0.693	Nosema	1	IEVSVSNDHIGTVNAALCSK	20 AAT72743	1	0.9974
29	2008-08-01-01 2188 2188 2 out	1693.8	0.44	0.38	1.79	100	1.099	ilV6	1	ECQHMYVKGKNAGTK	15 NP 149872	1	0.9957
35	2008-08-01-01 374 374 3 out	1757.8	0.381	0.47	1.79	398	0	ABPV	1	VIAGDFSTFDGSLNVC	17 AAD02102	1	0.9639
37	2008-08-01-01 2607 2607 3 out	1773.9	1.126	0.5	1.79	321	0	ilV6	1	FQSFTTQRYPOENK	14 NP 149843	1	0.9969
4	2008-08-01-01 4764 4764 2 out	1122.5	0.874	0.43	1.78	349	0.693	ilV6	1	SLMGNCPPSSVK	11 NP 149555	1	0.9794
48	2008-08-01-01 752 752 3 out	2142.2	0.992	0.4	1.77	135	0.693	KBVKEV	2	PSLVHGM*ISDIKTKPAYLR	20 NP 851403	1	0.9756
3	2008-08-01-01 1004 1004 2 out	1116.6	1.235	0.37	1.68	214	0	ABPV	1	LSEPLFEPK	10 NP 066241	1	0.9823
47	2008-08-01-01 1761 1761 2 out	2141.1	1.215	0.41	1.68	83	0	ilV6	1	QYPLRDIPDFTIRSEYK	17 NP 149530	1	0.9935
26	2008-08-01-01 543 543 3 out	1685.9	1.195	0.54	1.67	138	1.792	ilV6	1	TLTVYGGTSLLEEFR	15 NP 149813	1	0.9736
50	2008-08-01-01 3019 3019 3 out	2314.3	1.164	0.55	1.64	207	0	ilV6	1	KFEIFAKLSSSGLLAHLPLDK	21 NP 149681	1	0.9806
39	2008-08-01-01 194 194 3 out	1847.1	1.285	0.47	1.63	271	0	ilV6	1	KILNEKYLTQINIEK	15 NP 149642	1	0.9701
31	2008-08-01-01 4743 4743 3 out	1695.8	1.479	0.5	1.6	263	0	Nosema	1	SECLGGAALSM*AACVLR	18 AAL28056	1	0.9967
46	2008-08-01-01 1200 1200 3 out	2123.2	0.565	0.41	1.58	181	0.693	ilV6	1	HINVLPAYSAHMLLM*GVLK	20 NP 149730	1	0.9877
1	2008-08-01-01 210 210 1 out	725.4	1.326	0.47	1.56	134	0	ilV6	1	MFNSVK	6 NP 149483	1	1
49	2008-08-01-01 1069 1069 3 out	2249.2	0.64	0.58	1.54	215	0	ilV6	1	HVHTIHHYLVRYRYK	17 NP 149537	1	0.9628
40	2008-08-01-01 51 51 3 out	1986.1	0.683	0.5	1.53	205	0.693	Nosema	1	PDVSIANVRVYHMM*NVKK	18 ABE26649	1	0.9847
42	2008-08-01-01 1318 1318 3 out	2051.1	0.165	0.46	1.53	159	0	Nosema	1	PFIYGTPTGTQMR*RLR	18 AAT12293	1	0.9687
53	2008-08-01-01 1885 1885 3 out	2411.2	0.747	0.59	1.51	174	1.099	ilV6	1	LYPSIQEEM*KNN*KTNVIANR	22 NP 149482	1	0.9894
24	2008-08-01-01 688 688 3 out	1669.9	1.873	0.46	1.5	236	0	Nosema	1	MCIDYRALNKIKK	14 ABE26653	1	0.9619



## Test 47

Sr.No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
25	2008-03-21-13 2026 2026 3 out	1734.9	0.497	0.33	2.39	86	0	0 IIV6	1	DVPIGNDFDKATITTK	16	NP_149798.1	335L	0.9894
27	2008-03-21-13 2659 2659 3 out	1737.9	0.29	0.39	2.18	222	0	0 ABPV	1	WAEDVVVVEPKPLLSG	16	AAD33287.1	structural protein	0.9604
10	2008-03-21-13 883 884 2 out	1199.7	1.158	0.32	2.09	203	0.693	0 IIV6	1	KVNIGNKDK	10	NP_149674.1	211L	0.994
33	2008-03-21-13 871 871 3 out	1763.9	1.887	0.48	2.07	76	1.099	0 Nosema	1	TKLITEKLECCQLNK	15	ABE26650.1	pol polyprotein	0.9714
22	2008-03-21-13 2312 2312 3 out	1721.7	0.688	0.34	2.06	133	0	0 Nosema	1	GNGDASCSGGHGGKDM*GAK	20	AAU11092.1	unknown	0.9745
32	2008-03-21-13 2465 2465 3 out	1757.8	0.203	0.36	2.03	185	0	0 ABPV	1	VIAGDFSTFDGSLNVC	17	AAD02102.1	RNA polymerase	0.994
12	2008-03-21-13 1508 1508 2 out	1219.6	0.137	0.29	2.01	200	0	0 ABPV	1	NHNSNM*ATPVK	12	NP_066242.1	capsid protein	0.9646
34	2008-03-21-13 780 780 3 out	1780	1.419	0.32	2.01	116	0	0 IIV6	1	PNAIACRKLWLEPR	15	NP_149851.1	388R	0.9957
16	2008-03-21-13 1796 1796 3 out	1662.9	1.826	0.35	1.93	126	0	0 IIV6	1	MLQSQPMLEMLLK	14	NP_149794.1	331R	0.9569
3	2008-03-21-13 1769 1769 2 out	1116.6	0.159	0.28	1.89	150	0	0 ABPV	1	LSEPLFEPGK	10	NP_066241.1	replicase polyprotein	0.9982
1	2008-03-21-13 1090 1091 1 out	700.5	0.507	0.2	1.87	412	0	0 Nosema	1	VXDIIK	6	ABM26977.1	RNA polymerase II largest subunit	1
11	2008-03-21-13 1584 1584 2 out	1213.7	1.992	0.34	1.87	222	0	0 IIV6	1	ELNQLDK	10	NP_149916.1	453L	0.9829
23	2008-03-21-13 3145 3145 3 out	1722.8	0.423	0.38	1.86	220	0	0 Nosema	1	NIVSCADGAPNMMGKK	17	ABE27267.1	unknown	0.9992
35	2008-03-21-13 2072 2072 3 out	1782.8	0.833	0.44	1.83	115	0	0 Nosema	1	MNYFSADIFEGFAR	15	ABV48900.1	hypothetical spore wall protein	0.9824
37	2008-03-21-13 1356 1356 3 out	2016	0.827	0.41	1.81	172	0	0 IIV6	1	LEGQHKIEYEGILTET	17	NP_149635.1	172L	0.9898
26	2008-03-21-13 3131 3131 3 out	1737.8	0.049	0.36	1.7	155	0	0 IIV6	1	ASFQDYLGNADYLYK	15	NP_149758.1	295L	0.9971
5	2008-03-21-13 2208 2208 2 out	1165.7	1.313	0.32	1.68	156	0	0 Nosema	1	SVVKSNIYQIK	10	ABO69716.1	unknown	0.9733
14	2008-03-21-13 1780 1780 3 out	1658.7	0.463	0.42	1.67	96	0	0 IIV6	1	QTYSGYNGGGGGGGGNK	17	NP_149792.1	329R	0.9952
15	2008-03-21-13 2213 2213 3 out	1658.9	0.349	0.4	1.62	147	0	0 Nosema	1	DLISETVEPCLKALK	15	BAF76326.1	heat shock protein 70	0.9977
9	2008-03-21-13 1369 1369 2 out	1180.7	0.958	0.41	1.6	186	0	0 ABPV	1	VEEHISLLK	10	NP_066241.1	replicase polyprotein	0.9703
7	2008-03-21-13 2581 2581 2 out	1173.7	1.119	0.52	1.59	170	0	0 IIV6	1	LNNIDSTLKR	10	NP_149886.1	423L	0.9868
31	2008-03-21-13 3310 3310 3 out	1750.9	1.824	0.41	1.59	93	0.693	0 IAPV/IAPV	2	VDLCAEVRNKKVEFTK	15	YP_001040002.1	polymerase polyprotein	0.9852
21	2008-03-21-13 3068 3068 3 out	1697.8	0.734	0.42	1.52	99	0.693	0 Nosema	1	GLSPEEFYFHAMGGR	15	ABM26977.1	RNA polymerase II largest subunit	0.9926
29	2008-03-21-13 2405 2405 3 out	1742.9	0.911	0.48	1.52	72	2.303	0 Nosema	1	IAQENGVSSEAINELLKK	16	ABE26652.1	pol polyprotein	0.9982

## Test 48

Sr.No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
10	2008-03-21-14 1470 1470 3 out	1712.7	0.28	0.39	2.13	187	0	0 IIV6	1	ENDETEYDEQSIK	14	NP_149642.1	179R	0.9735
5	2008-03-21-14 1322 1322 2 out	1184.7	0.249	0.45	2	264	0	0 IIV6	1	IKDIIDALQR	10	NP_149695.1	232R	1
16	2008-03-21-14 1953 1953 3 out	1742.7	1.306	0.38	1.98	207	0	0 Nosema	1	HPECMT*CPNCEIHAR	16	AAB62548.1	glutamyl-tRNA synthetase	0.9772
12	2008-03-21-14 1579 1579 3 out	1713.9	1.589	0.42	1.9	126	0	0 Nosema	1	ILDVVFGEHLCLLSR	15	AAL28052.1	AF406785.1 unknown	0.9645
8	2008-03-21-14 1914 1914 3 out	1669.8	0.82	0.42	1.89	212	0	0 IIV6	1	IGKDDMAASYLEGKER	15	NP_149635.1	172L	0.9981
20	2008-03-21-14 1318 1318 3 out	1835.9	1.227	0.34	1.87	183	0	0 Nosema	1	ERIFSQEVKGHYSQK	15	ABE27274.1	unknown	0.9563
13	2008-03-21-14 1156 1156 3 out	1718	0.084	0.36	1.85	190	0	0 IIV6	1	SLRPSIPPKISTEHR	15	NP_149695.1	232R	0.9529
18	2008-03-21-14 1768 1768 3 out	1757.8	0.109	0.51	1.82	171	0	0 ABPV	1	VIAGDFSTFDGSLNVC	17	AAD02102.1	RNA polymerase	0.988
7	2008-03-21-14 1246 1246 2 out	1236.6	1.097	0.4	1.78	299	0	0 IIV6	1	NGAVEEGYNRK	11	NP_149891.1	428L	0.9839
14	2008-03-21-14 1761 1762 3 out	1722.9	1.087	0.48	1.78	167	0	0 IIV6	1	KCIFTPLRGDLNDCK	15	NP_149747.1	284R	0.9934
11	2008-03-21-14 918 918 3 out	1712.9	0.323	0.54	1.71	165	0	0 IIV6	1	TFAYEVPIRYSNPR	14	NP_149690.1	227L	0.9981
9	2008-03-21-14 1928 1928 3 out	1697.8	0.602	0.41	1.7	131	0	0 Nosema	1	GLSPEEFYFHAMGGR	15	ABM26977.1	RNA polymerase II largest subunit	0.994
15	2008-03-21-14 1098 1098 3 out	1729	1.65	0.42	1.7	149	1.099	0 IIV6	1	VSLTSKYTKGIFSIGK	16	NP_149662.1	199L	0.9894
19	2008-03-21-14 1135 1135 3 out	1790	0.474	0.42	1.7	150	0	0 Nosema	1	LFIDPKLLESDMKIK	15	ABE26651.1	pol polyprotein	0.9964
1	2008-03-21-14 990 990 1 out	789.4	0.018	0.58	1.67	141	0	0 SVISVISVISVISV	5	ITLDIAR	7	NP_049374.1	polyprotein	1
4	2008-03-21-14 1372 1372 2 out	1155.6	0.035	0.35	1.6	96	0.693	0 Nosema	1	DYFKRLGK	9	ABE26643.1	pol polyprotein	0.9548

## Test 49

Sr.No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
1	2008-03-21-15 1863 1863 2 out	1117.6	1.868	0.28	2.16	245	0	0 IAPV/IAPV	2	NVTM*QVNPAPK	11	YP_001040003.1	structural polyprotein	0.9917
16	2008-03-21-15 1746 1746 3 out	1777.8	0.49	0.36	2.15	149	0	0 IAPV/IAPV	2	M*LNSWM*EECIQYAK	16	YP_001040002.1	polymerase polyprotein	0.9721
14	2008-03-21-15 1787 1787 3 out	1743	0.874	0.38	2.06	95	0.693	0 Nosema	1	DQTKNINTVKEVLK	15	ABV48897.1	hypothetical spore wall protein	0.9997
15	2008-03-21-15 2050 2050 3 out	1750.9	1.218	0.44	1.99	168	0	0 IAPV/IAPV	2	VDLCAEVRNKKVEFTK	15	YP_001040002.1	polymerase polyprotein	1
12	2008-03-21-15 1543 1543 3 out	1718.8	0.757	0.31	1.94	131	0	0 IIV6	1	NNKYVTNYEDDDTK	14	NP_149608.1	145L	0.984
2	2008-03-21-15 1809 1809 2 out	1174.7	1.09	0.49	1.93	99	0.693	0 IIV6	1	LDGVSCILINK	11	NP_149668.1	205R	0.9989
20	2008-03-21-15 1901 1901 3 out	1961	0.028	0.25	1.92	168	1.609	0 ABPV	1	PITKLM*CPETVSNNVSIV	19	AAO43637.1	structural protein	0.9821
18	2008-03-21-15 1405 1405 3 out	1817.9	1.025	0.37	1.84	220	0	0 BQCV	1	VEGNDGAPEAYEPKVS	17	AAD27696.1	helicase domain C	0.9994
4	2008-03-21-15 1375 1375 2 out	1185.6	1.926	0.41	1.82	165	0	0 IIV6	1	KAFM*KNQFR	10	NP_149612.1	149L	0.9879
9	2008-03-21-15 2166 2166 3 out	1675	1.746	0.42	1.81	50	3.367	0 IIV6	1	PFFANLLSVLNKPSK	15	NP_149508.1	045L	0.9996
19	2008-03-21-15 1751 1751 3 out	1956.1	0.379	0.42	1.65	162	0.693	0 IIV6	1	DKCLPNNALRCEIHK	17	NP_149668.1	205R	0.986
5	2008-03-21-15 2059 2059 2 out	1194.6	1.73	0.41	1.55	142	0	0 Nosema	1	KVVSASVSHHK	11	AAT12293.1	DNA repair helicase RAD25	0.9996
8	2008-03-21-15 1954 1954 3 out	1667.8	0.943	0.42	1.5	125	0	0 ABPV	1	VLSQGMKVCCEWMK	14	NP_066241.1	replicase polyprotein	0.9942



Test 50														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
9	2008-03-21-16 2025 2025 3 out	1666.9	1.829	0.48	2.3	190	0.693	Nosema	1	INSHVCCITFRKLR	14	AAL28053.1	AF406785_2 checkpoint protein kinase	0.9886
16	2008-03-21-16 2068 2068 3 out	1704.9	1.946	0.41	2.15	196	0	Nosema	1	WLGPFITIKTRQEK	14	ABE26650.1	pol polyprotein	0.9923
22	2008-03-21-16 1672 1672 3 out	1853.9	0.454	0.42	2.05	107	1.099	IIV6	1	SVGDYGGDKATFEPILGK	18	NP_149500.1	037L	0.9524
6	2008-03-21-16 1175 1175 2 out	1204.7	1.449	0.29	2.01	435	0	IIV6	1	NAERFVEVLK	10	NP_149548.1	085L	0.9905
12	2008-03-21-16 2458 2458 3 out	1681.9	1.167	0.49	1.98	258	0	IIV6	1	PLNARTM*GSLIFM*AK	17	NP_149647.1	184R	1
5	2008-03-21-16 1354 1354 2 out	1191.7	1.988	0.36	1.95	603	0	KBYIKBYIKBV	3	LFDKILITK	10	NP_851403.1	non-structural polyprotein	0.9951
7	2008-03-21-16 1739 1739 2 out	1238.7	1.145	0.38	1.95	151	0	Nosema	1	UCHIKTEPGK	11	ABE26652.1	pol polyprotein	0.9935
1	2008-03-21-16 1179 1179 2 out	1110.6	0.746	0.48	1.82	223	0	IIV6	1	SLQLM*GNFGK	11	NP_149745.1	282R	0.9962
2	2008-03-21-16 1544 1544 2 out	1115.6	0.669	0.35	1.82	323	0	IIV6	1	QTAAGSGIALVK	12	NP_149622.1	159L	0.9848
19	2008-03-21-16 2032 2032 3 out	1787.1	1.218	0.48	1.75	118	1.099	SVISV/SV	3	WM*PINSIRVTNNGKR	16	NP_049374.1	polyprotein	0.9861
23	2008-03-21-16 1690 1690 3 out	1858.9	0.552	0.43	1.74	96	1.386	IIV6	1	IVDKYTTGLQNCYNVK	16	NP_149679.1	216R	0.9539
11	2008-03-21-16 2123 2123 3 out	1674.9	1.778	0.35	1.73	172	0	IIV6	1	FIINLCVPCSKYFK	14	NP_149891.1	428L	0.9762
8	2008-03-21-16 1043 1043 3 out	1654.9	0.641	0.43	1.72	264	0	DWVIDWVIDWVIDWV	4	KDGKQAAVGTQPWV	15	ABM64815.1	polyprotein	0.9914
13	2008-03-21-16 1203 1203 3 out	1692.9	1.166	0.47	1.67	50	1.609	Nosema	1	KDVESKITEPLDYR	14	ABE27274.1	unknown	0.9928
21	2008-03-21-16 1892 1892 3 out	1849.1	1.416	0.36	1.67	161	0	IIV6	1	VGTQYIKRISSENK	16	NP_149758.1	295L	0.9899
3	2008-03-21-16 1863 1863 2 out	1142.6	1.858	0.43	1.65	219	0	IIV6	1	LGRNGYHGR	10	NP_149638.1	175R	0.994
25	2008-03-21-16 1753 1753 3 out	1899.9	1.367	0.36	1.65	112	0	Nosema	1	EM*MQVLYSIEQNINR	17	ABM26980.1	RNA polymerase II largest subunit	0.9952
4	2008-03-21-16 1339 1339 2 out	1179.7	0.018	0.37	1.64	521	0	IIV6	1	PEILPLLTQR	10	NP_149731.1	268L	0.9772
14	2008-03-21-16 1961 1961 3 out	1696	0.56	0.37	1.57	383	0	IIV6	1	LDAEILPTKPGEATK	16	NP_149485.1	022L	0.9601
20	2008-03-21-16 1342 1342 3 out	1829.1	0.47	0.44	1.52	69	1.792	Nosema	1	ISTLGVEWIAEIKKK	16	AAD12605.1	RNA polymerase II largest subunit	0.9725
15	2008-03-21-16 2473 2473 3 out	1701	0.44	0.47	1.51	119	0.693	Nosema	1	IISKDGVRADITSVVK	16	ABE26650.1	pol polyprotein	0.9943
26	2008-03-21-16 1945 1945 3 out	2032.1	1.74	0.64	1.51	472	0	IIV6	1	IIFDISQPNRNLFVR	17	NP_149851.1	388R	0.9906

Test 51														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
7	2008-03-21-17 1385 1385 3 out	1718.8	0.524	0.33	2.43	164	0	IIV6	1	NNKYVTNYEDDDTK	14	NP_149608.1	145L	1
6	2008-03-21-17 1020 1020 3 out	1715.9	1.944	0.38	2.38	247	0	IIV6	1	IVENLYLGNQNGIR	15	NP_149586.1	123R	0.9632
8	2008-03-21-17 1466 1466 3 out	1730.9	1.791	0.45	2.1	136	0	IIV6	1	IAM*YYPFNKKSQFLK	15	NP_149687.1	224L	1
3	2008-03-21-17 1415 1415 3 out	1688.8	1.872	0.47	2.02	90	1.609	SVISV/SV/SV/S	14	NQSSSEYSSARIYK	14	NP_049374.1	polyprotein	1
5	2008-03-21-17 1128 1128 3 out	1713.9	1.404	0.4	1.9	196	0	Nosema	1	ILDVFVGEHLCLLSR	15	AAL28052.1	AF406785_1 unknown	1
9	2008-03-21-17 1913 1913 3 out	1733.9	0.316	0.52	1.81	102	0.693	IIV6	1	VSNLFSVDVPAKNICK	16	NP_149692.1	229L	1
4	2008-03-21-17 1206 1206 3 out	1696	1.046	0.41	1.79	155	0	IIV6	1	LDAEILPTKPGEATK	16	NP_149485.1	022L	1
11	2008-03-21-17 1317 1317 3 out	1817.9	1.075	0.46	1.79	148	0	BQCV	1	VEGNDGAPEAYEPKVS	17	AAD27696.1	helicase domain C	1
10	2008-03-21-17 962 962 3 out	1775.1	0.004	0.41	1.67	161	0	IIV6	1	LLNFIILFNALKSR	15	NP_149863.1	400R	1

Test 52														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
3	2008-03-21-18 1428 1428 2 out	1236.7	1.206	0.2	2.33	614	0	IIV6	1	IFVFKNIIDK	10	NP_149561.1	098R	0.9935
9	2008-03-21-18 1451 1451 3 out	1769.9	0.252	0.4	2.04	256	0	IIV6	1	M*EKETTFLGLKLEK	16	NP_149851.1	388R	0.9899
1	2008-03-21-18 1066 1066 2 out	1135.6	0.883	0.57	1.96	458	0	Nosema	1	LEDLDFQKK	9	AAT12296.1	chromosome segregation protein	0.9992
4	2008-03-21-18 1275 1276 3 out	1675	1.168	0.47	1.95	166	0.693	IIV6	1	PFFANLLSVLNKPSK	15	NP_149508.1	045L	0.9941
6	2008-03-21-18 1655 1655 3 out	1718.9	1.102	0.44	1.82	266	0.693	IIV6	1	IILNHEDSEIHTGIK	15	NP_149589.1	126R	0.9616
2	2008-03-21-18 1392 1392 2 out	1158.6	1.991	0.47	1.8	202	0	IIV6	1	KRNAEAWQR	9	NP_149676.1	213R	0.9822
8	2008-03-21-18 1477 1477 3 out	1754.9	1.368	0.39	1.55	120	2.197	IIV6	1	RQEQM*LLESHNLLK	15	NP_149776.1	313L	0.999

Test 53														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
20	2008-05-07-01 787 787 3 out	1870.1	1.938	0.59	2.37	172	0	IIV6	1	LETITKIIDIALOR	16	NP_149695.1	232R	0.9509
2	2008-05-07-01 1462 1462 2 out	1116.6	1.578	0.46	2.19	562	0	ABPV	1	LSEPLFEPGK	10	NP_066241.1	replicase polyprotein	0.9977
4	2008-05-07-01 918 918 2 out	1117.8	1.679	0.35	2.04	209	0	IIV6	1	VLKLYLLK	9	NP_149653.1	190R	0.9655
18	2008-05-07-01 1871 1871 3 out	1810.9	0.759	0.33	1.92	187	0	IAPV/IAPV	2	MQQHDIRINNEKR	14	YP_001040002.1	polymerase polyprotein	0.9504
10	2008-05-07-01 1678 1678 2 out	1350.8	0.698	0.29	1.91	765	0	IIV6	1	FLETLLKPFQK	11	NP_149666.1	203L	1
3	2008-05-07-01 601 601 2 out	1117.5	0.145	0.33	1.85	210	0.693	SVISV	2	REASPSNDGGK	11	NP_049374.1	polyprotein	0.9935
13	2008-05-07-01 1961 1961 3 out	1715.9	1.559	0.44	1.85	153	0.693	Nosema	1	M*MTSAFLSSRNILR	17	ABE27272.1	unknown	0.9952
24	2008-05-07-01 1555 1555 3 out	2064.1	0.703	0.55	1.82	357	0	IIV6	1	LEELIKLYLESLYFK	16	NP_149851.1	388R	0.9903
12	2008-05-07-01 1715 1715 3 out	1701	1.602	0.44	1.79	277	0	Nosema	1	ILTASVLP*RWVVL	15	ABM26980.1	RNA polymerase II largest subunit	0.9797
7	2008-05-07-01 1957 1957 2 out	1179.7	0.944	0.36	1.78	162	1.099	IIV6	1	PEILPLLTQR	10	NP_149731.1	268L	0.9954
9	2008-05-07-01 831 831 2 out	1344.7	0.262	0.33	1.76	393	0	IIV6	1	IENENNLEIK	11	NP_149776.1	313L	1
6	2008-05-07-01 826 826 2 out	1172.7	1.15	0.39	1.69	449	0	IIV6	1	VQNNIKSK	10	NP_149513.1	050L	0.9956
25	2008-05-07-01 1333 1333 3 out	2149	1.622	0.42	1.65	286	0	IIV6	1	DLEMLNLEENVTEPDM*K	19	NP_149856.1	393L	0.9973
11	2008-05-07-01 1789 1789 3 out	1685.9	0.356	0.38	1.63	180	1.099	IIV6	1	TLTYVGGTSLSEFR	15	NP_149813.1	350L	0.9882
19	2008-05-07-01 1403 1403 3 out	1826	0.063	0.41	1.62	129	0	DWV	1	PEMDRILNLAEGLLNK	16	ABB36638.1	polyprotein	0.9737
22	2008-05-07-01 967 967 3 out	2047.2	1.156	0.4	1.62	112	0	Nosema	1	MPFNVAKGDRIAQVFIK	18	AAT72741.1	deoxyundine 5'-triphosphate nucleotidohydrolase	0.9596
5	2008-05-07-01 990 990 2 out	1158.6	1.602	0.39	1.58	121	0	IIV6	1	KRNAEAWQR	9	NP_149676.1	213R	0.9561
16	2008-05-07-01 65 65 3 out	1754.8	0.359	0.39	1.58	117	1.099	DWVIDWVIDWVIDWVIDWIKakugavDVV1	8	QYYLDFMASYRAAR	14	NP_853560.2	polyprotein	0.9536



Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSP	Reference	No Peptide	AA ID#	Protein	PP
47	2008-05-07-03 2110 2110 3 out	2150	0.038	0.36	2.36	297		IIVV6	1 MNRHMNLNNMLNMMLLK	18 NP_149891.1	428L	0.9939
45	2008-05-07-03 1896 1896 3 out	2082.2	0.087	0.39	2.2	201		KBVIKBVIKBVIKBV	4 VSVIWWKVVAEDVVVEPK	18 YP_308662.1	VP2	0.9644
8	2008-05-07-03 642 642 2 out	1268.6	0.853	0.29	2.15	321		IIVV6	1 DKMQIIYVEDK	10 NP_149676.1	213R	0.9555
7	2008-05-07-03 1045 1045 2 out	1231.6	0.286	0.37	2.09	389		IIVV6	1 LNEKLNEESR	10 NP_149642.1	179R	0.9946
22	2008-05-07-03 2567 2567 3 out	1661.8	1.116	0.36	2.08	250		SV	1 WYQVRVGDSFANYR	13 AAK16291.1	polyprotein	0.9766
39	2008-05-07-03 2461 2461 3 out	1960	1.813	0.46	2.02	128	1.099	BVB	1 DQVKIQDVSMQINLSNK	17 AAR19088.1	structural polyprotein	0.9973
46	2008-05-07-03 1210 1210 3 out	2122	1.272	0.46	1.89	126		IIVV6	1 M'VPRLEDVAAGTAVDAFTDK	21 NP_149728.1	265L	0.9759
41	2008-05-07-03 1332 1332 3 out	2016	0.636	0.45	1.88	249		IIVV6	1 LEGQHKEVFGLGTETRT	17 NP_149635.1	172L	0.9946
20	2008-05-07-03 2604 2604 3 out	1658.9	0.302	0.46	1.87	233	0.693	IIVV6	1 QTSYSYGHWGGGCGGNKK	17 NP_149792.1	329R	0.9939
28	2008-05-07-03 1455 1455 3 out	1735.8	1.811	0.5	1.87	219		IIVV6	1 M'SGGYTSLSSIRCTCK	17 NP_149878.1	415R	0.999
11	2008-05-07-03 1579 1579 2 out	1356.8	0.188	0.32	1.82	375		IIVV6	1 FLFLSKKCQSVM	12 NP_149749.1	286L	0.9883
31	2008-05-07-03 762 762 3 out	1754	0.983	0.46	1.82	206		IIVV6	1 VNKGPEVCNIARLVNK	16 NP_149639.1	176R	0.998
1	2008-05-07-03 1416 1416 2 out	1102.7	1.64	0.31	1.79	394		IIVV6	1 MTGLVISIR	10 NP_149799.1	336R	0.9883
3	2008-05-07-03 600 600 2 out	1179.6	0.425	0.35	1.76	194		IIVV6	1 QCICNFILSK	10 NP_149545.1	082L	0.9896
13	2008-05-07-03 1819 1819 2 out	1407.7	0.645	0.41	1.75	263		IIVV6	1 YM'NDLSIFFNKK	12 NP_149852.1	389L	0.9716
40	2008-05-07-03 349 349 3 out	1961	0.837	0.37	1.74	123	0.693	ABPV	1 PITKLM'CPTVSNNNVISV	19 AA043637.1	structural protein	0.9811
49	2008-05-07-03 2464 2464 3 out	2246.1	1.299	0.37	1.73	198		IIVV6	1 FGSYSIEQQQLSSAM'EOLALK	21 NP_149752.1	289L	0.9816
6	2008-05-07-03 1511 1511 2 out	1209.6	1.582	0.4	1.69	327		IIVV6	1 LSPLLFPIFMTK	11 NP_149561.1	098R	0.9939
2	2008-05-07-03 597 597 2 out	1155.6	0.326	0.46	1.68	437		O SVSIVSVISVSVISVSVISVSVISV	18 FEATFNTRYK	10 NP_049374.1	polyprotein	0.9938
10	2008-05-07-03 984 984 2 out	1344.7	1.263	0.37	1.68	119		IIVV6	1 IENENNLEEK	11 NP_149776.1	313L	0.9767
25	2008-05-07-03 217 217 3 out	1696	1.689	0.45	1.68	177		IIVV6	1 LDANIELPTKPGEATK	16 NP_149485.1	022L	0.999
29	2008-05-07-03 612 612 3 out	1739.9	1.256	0.48	1.67	65	1.609	Nosema	1 NLGLYPMPWQEFSR	14 AAB62548.1	glutaminyl-tRNA synthetase	0.9816
56	2008-05-07-03 2416 2416 3 out	2636.4	0.646	0.4	1.67	143		Nosema	1 NTRNSVTFIKLEGQMCSVINIR	23 ABE27273.1	unknown	0.9978
4	2008-05-07-03 1302 1302 2 out	1185.6	1.198	0.65	1.66	281		IIVV6	1 KAFM*KNQFR	10 NP_149612.1	149L	0.999
36	2008-05-07-03 2598 2598 3 out	1883.9	0.759	0.38	1.66	218		Nosema	1 REEFCCNVYASLNPNK	16 AAD12605.1	rNA polymerase II largest subunit	0.9995
38	2008-05-07-03 1563 1563 3 out	1946	1.539	0.48	1.64	452		IIVV6	1 VQKCIENVGLDFLPNNK	17 NP_149832.1	369L	0.9828

Sr No	File Name	(M+H) <sup>+</sup>	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
3	2008-05-07-05 600 600 2 out	1162 6	1.185	0.32	2.14	493	0	IVV6	1	MSDIIDLSR	10	NP_149548.1	085L	0.9998
4	2008-05-07-05 1143 1143 2 out	1184 7	0.818	0.71	1.97	725	0	IIIV6	1	IKSDIIDLQR	10	NP_149695.1	232R	0.9966
11	2008-05-07-05 761 761 3 out	1780 9	0.847	0.37	1.91	109	1.386	Nosema	1	ISAEQNLHVFDEMTVRR	16	AAB62549.1	glutamyl-tRNA synthetase	0.9823
13	2008-05-07-05 1331 1331 3 out	2016	0.351	0.41	1.71	146	1.099	IVV6	1	LEGQHKIEYEGILTETR	17	NP_149635.1	172L	0.9915
2	2008-05-07-05 1254 1254 2 out	1143 7	1.94	0.41	1.7	349	0	Nosema	1	LISLTRLSSK	10	ABE26651.1	pol polyprotein	0.9859
12	2008-05-07-05 1809 1809 3 out	1930	1.556	0.52	1.7	98	0.693	Nosema	1	IPSQTAQIQTAISDLESK	18	ABE27271.1	unknown	0.9651
1	2008-05-07-05 234 234 1 out	817 4	2.0	0.45	1.56	62	0	IIIV6	1	LLDLEFAK	7	NP_149917.1	454R	0.9542

Sr No	File Name	(M+H) <sup>+</sup>	M	<sup>13</sup> Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	D#	Protein	PP
8	2008-05-07-07 1792 1792 2 out	1469.9	1.86	0.53	2.1	133	0	VDV1 VDV1	2	M*GTLNIRVIAPLR	14	ACF24765.1	polyprotein	0.9557
6	2008-05-07-07 862 862 2 out	1344.7	1.487	0.37	2.19	366	0	ILV6	1	IENENNLEEEK	11	NP_149776.1	313L	
15	2008-05-07-07 1358 1358 3 out	2016	0.594	0.37	2.18	163	0	ILV6	1	LEGQHKYEYEGILTETR	17	NP_149635.1	172L	0.9759
1	2008-05-07-07 1060 1060 1 out	700.5	1.126	0.15	1.91	404	0	Nosema	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	
7	2008-05-07-07 858 858 2 out	1346.7	1.169	0.38	1.9	204	0.693	Nosema	1	KDLVIVQAAM*DK	13	ABO697.15.1	unknown	0.9933
12	2008-05-07-07 2081 2081 3 out	1724.9	1.871	0.36	1.88	194	0.693	ILV6	1	EKIVSSNFQFLVWK	14	NP_149592.1	129R	0.9585
16	2008-05-07-07 1679 1679 3 out	2064.1	0.846	0.52	1.85	249	0	ILV6	1	LEELIKLYLEYSLYFK	16	NP_149851.1	388R	0.9782
13	2008-05-07-07 1576 1576 3 out	1815	1.158	0.51	1.73	146	0	Nosema	1	EVVLPSDEIFESLPIK	16	ABE27277.1	unknown	0.9953
9	2008-05-07-07 1223 1223 3 out	2347.2	0.077	0.46	1.65	163	0	ABPV	1	LMGPETVSNVSNVSVVWKAED	21	AAK58193.1	structural protein	0.9835
5	2008-05-07-07 1722 1722 2 out	1268.6	0.333	0.35	1.58	483	0	ILV6	1	DKMQIYVEDK	10	NP_149676.1	213R	0.9501
18	2008-05-07-07 2121 2121 3 out	2239.1	1.811	0.41	1.56	193	0	ILV6	1	FVDAIM*DGNAEFAFLLVNNNR	21	NP_149752.1	289L	0.9781
9	2008-05-07-07 561 561 2 out	1495.7	1.623	0.34	1.53	366	0	ILV6	1	FHNEKICVSGSFGQ	13	NP_149713.1	250L	0.9794
10	2008-05-07-07 1556 1556 2 out	1565.9	0.101	0.41	1.51	194	0	Nosema	1	FIVYIKSILDNIK	13	ABE27277.1	unknown	0.9973



Test 58

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
15	2008-05-07-11 2733 2733 2 out	1457 9	0.44	0.81	3.71	1370	0	Nosema	5	IAQVVVSITASLR	14	AA223550 1	elphi-tubulin	1
31	2008-05-07-11 1968 1968 2 out	1790 9	0.046	0.68	2.96	657	0	Nosema	1	SYELPDGQVKGISER	16	AA86863 1	actin	0.9971
48	2008-05-07-11 2141 2141 3 out	2036 2	0.855	0.31	2.73	1169	0	IIIV6	1	DQLDLAQSLGPNPKLLK	19	NP 149695 1	232R	0.9868
27	2008-05-07-11 3875 3875 3 out	1740	1.641	0.49	2.57	312	0	IIIV6	1	EVFPVYKGVLLGLNL	16	NP 149486 1	023L	0.9968
7	2008-05-07-11 1098 1098 2 out	1199 7	0.656	0.4	2.48	550	0	IIIV6	1	KVNIQNKDK	10	NP 149674 1	211L	0.9748
55	2008-05-07-11 2921 2921 2 out	2173 1	1.684	0.53	2.35	209	0	Nosema	1	VKLTAYHETGHGSASNM*K	21	ABE26653 1	pol polyprotein	0.9834
20	2008-05-07-11 2354 2354 2 out	1524 9	1.838	0.45	2.32	243	0	IIIV6	1	SLGVVNEQLKVNPK	14	NP 149859 1	396L	0.996
79	2008-05-07-11 3372 3372 3 out	3471 9	1.27	0.36	2.29	99	0	IIIV6	1	EQVNLQTFLFPLENLCITLEDITLILK	30	NP 149479 1	016L	0.991
18	2008-05-07-11 2276 2276 2 out	1498 8	0.766	0.42	2.27	638	0	IIIV6	1	EIFICYREGKK	12	NP 149500 1	037L	0.9899
35	2008-05-07-11 1143 1143 3 out	1844 9	0.074	0.45	2.26	331	0	VDV1/VDV1/VDV1	3	LINLSVPCGDVCM*LSHK	18	AA49283 1	polyprotein	0.9683
28	2008-05-07-11 3438 3438 2 out	1745	0.01	0.31	2.24	526	0	IIIV6	1	LIFVITKEKSYLK	14	NP 149495 1	032R	0.9821
72	2008-05-07-11 2630 2630 3 out	2886 5	1.856	0.34	2.24	340	0	Nosema	1	IDDL*SRAPAATEPSSRPVLPPQFFK	27	ABO69723 1	unknown	0.9636
46	2008-05-07-11 3708 3708 3 out	2011 1	0.874	0.4	2.21	298	0	KBVKEV	2	TDIRPSLVHGMISDIKT	18	NP 851403 1	non-structural polyprotein	0.9764
12	2008-05-07-11 1854 1854 2 out	1329 8	0.756	0.32	2.19	357	1.609	IIIV6	1	VEKGLSISOIK	12	NP 149608 1	145L	0.9754
21	2008-05-07-11 1524 1524 2 out	1534 8	1.92	0.48	2.12	936	0	Nosema	1	MPFGLVNGPATFOR	14	ABE26655 1	pol polyprotein	0.9921
62	2008-05-07-11 2701 2701 3 out	2320 1	0.092	0.42	2.12	146	0	IIIV6	1	CAKGCILNFTJEIHFKNK	20	NP 149877 1	414L	0.9842
3	2008-05-07-11 4471 4471 2 out	1115 6	1.616	0.38	2.09	804	0	IIIV6	1	QTAAGSGIALVK	12	NP 149522 1	159L	0.9759
40	2008-05-07-11 1673 1673 3 out	1946	1.486	0.47	2.09	558	0	IIIV6	1	VOKCIENVGKFLDPNNK	17	NP 149832 1	369L	0.9756
76	2008-05-07-11 3103 3103 3 out	3020 4	1.512	0.57	2.01	151	0	VDV1/VDV1/VDV1/VDV1/VDV1	6	VILNLAELGLNITVGGCHMDNPSYQQSPR	29	ACF24765 1	polyprotein	0.963
54	2008-05-07-11 520 520 3 out	2165 2	0.379	0.42	1.98	249	0	IIIV6	1	YQGLAKPINIVTESNAYRK	19	NP 149612 1	149L	0.9934
1	2008-05-07-11 1141 1141 1 out	700 5	1.196	0.19	1.95	414	0	Nosema	1	VXDIK	6	ABM26977 1	RNA polymerase II largest subunit	1
56	2008-05-07-11 1467 1467 3 out	2194 2	1.792	0.4	1.94	374	0	IIIV6	1	LLILFLSFVTVYTASCR	19	NP 149577 1	114L	0.9768
44	2008-05-07-11 785 785 3 out	1999	0.774	0.39	1.93	287	0	IIIV6	1	QSISSSILTSVAFCDK	19	NP 149526 1	063R	0.951
60	2008-05-07-11 159 159 3 out	2278 3	0.522	0.43	1.93	201	0.693	IIIV6	1	EVKNVHPLSNLNLVYLGK	20	NP 149500 1	037L	0.9961
16	2008-05-07-11 1395 1395 2 out	1485 9	0.79	0.46	1.92	677	0	Nosema	1	ISRLTFLPLNR	12	AAT12296 1	chromosome segregation protein	0.984
69	2008-05-07-11 2897 2897 3 out	2653 4	0.97	0.37	1.91	192	0	BQCV	1	VKFATNHVSRML*LNHVQCDAK	24	NP 620565 1	structural polyprotein	0.9629
50	2008-05-07-11 3483 3483 3 out	2049	1.628	0.37	1.9	284	0	IIIV6	1	TTSSGTTFSFVAGIEVLDN	20	NP 149906 1	443R	0.9841
14	2008-05-07-11 2130 2130 2 out	1374 8	0.827	0.42	1.88	397	0	IIIV6	1	LNKLSITSEKNK	12	NP 149508 1	045L	0.965
36	2008-05-07-11 1057 1057 3 out	1923	1.753	0.37	1.88	390	0	Nosema	1	EIRISSIIOQTEEDK	16	ABE26653 1	pol polyprotein	0.9543
42	2008-05-07-11 744 744 3 out	1966 1	1.253	0.49	1.86	98	1.099	DWV1/DWV1/DWV1/DWV1/Kekugo/VDV1	7	LLKAVNDEPEILKAWVK	17	NP 853560 2	polyprotein	0.9536
73	2008-05-07-11 3023 3023 3 out	2907 4	0.097	0.61	1.85	145	0	IIIV6	1	FDSNSISPGTEFM*HNLGRYDIHIK	26	NP 149475 1	012L	0.9901
10	2008-05-07-11 4567 4567 2 out	1268 6	0.184	0.37	1.84	283	0	IIIV6	1	DKMQVYEDK	10	NP 149676 1	213R	0.9811
11	2008-05-07-11 1176 1176 2 out	1276 7	0.76	0.37	1.84	557	0	IIIV6	1	SKKELMDALNK	11	NP 149864 1	401R	0.9763
25	2008-05-07-11 4305 4305 3 out	1735 8	1.392	0.44	1.83	128	1.609	SVISV/SV	3	STSTFIPFM*AHLEEK	16	NP 049374 1	polyprotein	0.9811
37	2008-05-07-11 4729 4729 3 out	1926	1.238	0.46	1.83	210	0	IIIV6	1	LDSYSLNFVAKHFLGSK	17	NP 149500 1	037L	0.9523
9	2008-05-07-11 746 746 2 out	1242 7	1.826	0.44	1.82	343	0.693	Nosema	1	LNKALEISLNK	11	ABV48899 1	hypothetical spore wall protein	0.9979
74	2008-05-07-11 3259 3259 3 out	2926 6	1.364	0.4	1.82	131	1.386	IIIV6	1	IKNNLEINFLYNNIHDESNILIG	25	NP 149534 1	071L	0.9701
51	2008-05-07-11 1208 1208 3 out	2061 8	0.552	0.41	1.81	437	0	Nosema	1	SKTTCGEGENTPDGYTGCGNK	20	ABM26977 1	RNA polymerase II largest subunit	0.9812
41	2008-05-07-11 4367 4367 3 out	1961	0.149	0.38	1.8	170	1.386	IIIV6	1	FDPNITLFEFNAYFK	16	NP 149500 1	037L	0.9759
4	2008-05-07-11 3772 3772 2 out	1116 6	1.017	0.37	1.79	220	0.693	ABPV	1	LSEPIFEPGK	10	NP 065241 1	replicase polyprotein	0.9958
64	2008-05-07-11 4457 4457 3 out	2412 2	1.592	0.45	1.79	70	1.609	SVISV	2	GEVEEAYTTLNFTLKHGFR	21	AA179021 1	AF469603.1 polyprotein	0.9832
29	2008-05-07-11 4573 4573 3 out	1748 9	1.146	0.47	1.77	193	1.386	IIIV6	1	LNESREIVSAE*VKK	16	NP 149639 1	176R	0.9639
5	2008-05-07-11 1473 1473 2 out	1140 7	1.603	0.4	1.76	695	0	Nosema	1	LLDVKAKLK	10	ABE26648 1	pol polyprotein	0.9826
66	2008-05-07-11 1803 1803 3 out	2546 3	0.066	0.39	1.74	353	0	IIIV6	1	PEVCNIALRVNKLNCNFEDNK	22	NP 149639 1	176R	0.9831
45	2008-05-07-11 4150 4150 3 out	2005 1	0.679	0.39	1.71	322	0	Nosema	1	KGILERMATSDTLTLK	18	ABO69717 1	unknown	0.9711
63	2008-05-07-11 2816 2816 3 out	2393 3	0.697	0.44	1.71	263	0	IIIV6	1	YLDNSFTSYKIVNAKEIFK	20	NP 149713 1	250L	0.9746
43	2008-05-07-11 1225 1225 3 out	1974 1	1.746	0.45	1.67	131	0	IIIV6	1	MHVLTTITKITMENK	17	NP 149872 1	411L	1
22	2008-05-07-11 4451 4451 3 out	1655 9	1.653	0.4	1.66	308	0	SV	1	DILVGVEKTLDQLGR	15	AA745735 1	structural polyprotein	0.9958
24	2008-05-07-11 3437 3437 3 out	1733 9	1.105	0.42	1.66	100	1.099	Nosema	1	YHRYKKGDRVVK	14	ABE26650 1	pol polyprotein	0.9885
6	2008-05-07-11 1897 1897 2 out	1143 6	1.68	0.47	1.64	435	0	Nosema	2	LAVNMVFPFR	10	AA35161 1	beta-tubulin	0.9594
13	2008-05-07-11 3700 3700 2 out	1336 7	0.26	0.57	1.64	198	0	IIIV6	1	M*SLKVKNDK	12	NP 149578 1	115R	0.9684
70	2008-05-07-11 2927 2927 3 out	2700 4	1.325	0.44	1.64	164	0	IAPV/IAPV	2	IMNPDKVKGASRMVTEFVPHPLEK	24	YP 001040003 1	structural polyprotein	0.9733
77	2008-05-07-11 2220 2220 3 out	3099 6	1.669	0.49	1.63	115	0	IAPV/IAPV	2	MWTKIDFFILHQDINCTGFTLTVDK	26	YP 001040002 1	polymerase polyprotein	0.99
71	2008-05-07-11 3356 3356 3 out	2756 4	0.785	0.49	1.6	192	0	IIIV6	1	GGNIINTYVGVYNNIGLTLFDR	25	NP 149605 1	142R	0.9719
8	2008-05-07-11 48 48 2 out	1223 7	0.145	0.39	1.58	336	0	IIIV6	1	SLLQNYTEK	10	NP 149557 1	094L	0.9963
59	2008-05-07-11 3778 3778 3 out	2270 1	1.579	0.51	1.57	48	2.944	IIIV6	1	SKWLMMNPDQFKM*AM*GLK	21	NP 149674 1	211L	0.9738
52	2008-05-07-11 275 275 3 out	2110 9	1.484	0.55	1.56	261	0	Nosema	1	EDLYSSDSLSNSSLK	19	ABE27276 1	unknown	0.9873
2	2008-05-07-11 411 411 1 out	703 4	0.173	0.36	1.55	168	0	IIIV6	1	NKNISK	6	NP 149877 1	414L	1
65	2008-05-07-11 1989 1989 3 out	2532 1	1.868	0.44	1.53	78	2.079	IIIV6	1	AKVM*AWDIEVYSEDGNFPDAMK	23	NP 149500 1	037L	0.9886
78	2008-05-07-11 2343 2343 3 out	3342 6	0.18	0.46	1.51	66	0.693	IIIV6	1	CGEAYVTENINELSKKADTPMYMYK	28	NP 149832 1	369L	0.9703

Test 59

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
5	2008-05-07-13 1671 1671 2 out	1350 8	0.902	0.3	2.04	582	0	IIIV6	1	FLETLKPFDDK	11	NP 149666 1	203L	1
11	2008-05-07-13 1912 1912 3 out	1998	0.893	0.44	2.04	234	0	Nosema	1	M*NM*KLVPIILLCAIFCTR	19	ABV48892 1	hypothetical spore wall protein	0.9981
2	2008-05-07-13 358 358 2 out	1115 6	0.57	0.37	1.91	327	0	Nosema	1	SEIPLKEGDK	10	ABO69719 1	unknown	0.9594
12	2008-05-07-13 2063 2063 3 out	2008 1	0.768	0.56	1.89	150	0	IAPV/IAPV	2	TDIRPSLVHVGQISDIKT	18	YP 001040002 1	polymerase polyprotein	0.9911
9	2008-05-07-13 4422 4422 3 out	1784 9	1.67	0.5	1.64	203	0	IIIV6	1	ADFILSQPPFSNNQEK	16	NP 149659 1	196R	0.9993
7	2008-05-07-13 948 948 3 out	1722	0.548	0.37	1.62	238	0	IIIV6	1	KAIKDM*VENYLIR	15	NP 149608 1	145L	0.9562
3	2008-05-07-13 1905 1905 2 out	1215 6	0.207	0.46	1.58	567	0	IIIV6	1	DLDLONKLR	10	NP 149879 1	416R	0.9933
1	2008-05-07-13 1158 1158 1 out	874 6	1.178	0.54	1.52	131	0	IIIV6	1	MKTIIR	7	NP 149530 1	067R	0.9763



## Test 60 (

Sr No	File Name	(M+H)	PM	CN	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
40	2008-05-07-14 1752 1752 2 out	1790.9	1.606	0.53	2.88	452	0	Nosema	1	SYVLPDGVQVIGKISER	16	AA86863.1	actin	0.9917
54	2008-05-07-14 1875 1875 3 out	2082.2	0.469	0.34	2.59	214	0	KBVKV KBVKV KBV	4	SVYVWVWVWVWVWVVEPK	18	YP_308662.1	VP2	0.9742
3	2008-05-07-14 1373 1373 2 out	1130.7	1.937	0.63	2.36	409	0	KBVKV KBV KBV	3	KVLDAGLAICK	11	NP_851403.1	non-structural polyprotein	0.9914
1	2008-05-07-14 982 982 1 out	930.5	1.197	0.33	2.33	494	1.099	IV VE	1	EADILEK	8	NP_149624.1	161L	1
19	2008-05-07-14 1955 1955 2 out	1296.7	1.602	0.23	2.3	316	0	Nosema	1	KTINNETNKKPK	11	ABE26551.1	pol. polyprotein	0.9647
31	2008-05-07-14 1371 1372 2 out	1534.8	0.927	0.51	2.22	833	0	Nosema	1	MPFGLNVGPAFTQK	14	ABE26555.1	pol. polyprotein	0.9919
15	2008-05-07-14 1164 1164 2 out	1231.6	1.804	0.24	2.11	259	0	IV VE	1	LNELKNEESR	10	NP_149642.1	179R	0.9637
58	2008-05-07-14 1007 1007 3 out	2269.2	1.841	0.44	2.06	213	0	IV VE	1	YDYEMVOMISGLILPLRK	19	NP_149561.1	098R	0.9958
22	2008-05-07-14 1146 1146 2 out	1370.6	1.095	0.56	2.02	435	0	IV VE	1	YSVLSNDODSKK	12	NP_149515.1	052R	0.9888
47	2008-05-07-14 2813 2813 3 out	1954.1	0.41	0.31	1.95	313	0	KBV KBV KBV	2	DMIEEAYQLTKSVWVLK	16	NP_851403.1	non-structural polyprotein	0.9649
53	2008-05-07-14 1062 1062 3 out	2080	0.065	0.35	1.95	243	0	Nosema	1	IKMNDNDVIEIKEMTK	18	NP_149765.1	302L	0.9687
10	2008-05-07-14 1428 1428 2 out	1208.6	1.426	0.25	1.92	223	0	Nosema	1	DELN.SNFEK	10	ABE26650.1	pol. polyprotein	0.9863
32	2008-05-07-14 2072 2072 2 out	1568.9	1.156	0.4	1.92	201	0	Nosema	1	AIDNKIIQLLEEK	13	ABE27271.1	unknown	0.9881
51	2008-05-07-14 2708 2708 3 out	2001.1	0.167	0.36	1.91	209	0	IV VE	1	FINILCVCKSYFKVVK	17	NP_149891.1	428L	0.9587
33	2008-05-07-14 1719 1719 2 out	1615.9	0.984	0.4	1.89	134	0.693	Nosema Nosema	2	QLSIFIPNVFYK	13	ABM26981.1	RNA polymerase II largest subunit	0.9923
21	2008-05-07-14 1839 1839 2 out	1350.8	0.708	0.29	1.88	492	0	IV VE	1	FLETLTKPFDK	11	NP_149666.1	203L	0.9936
46	2008-05-07-14 1526 1526 3 out	1946	1.781	0.56	1.86	697	0	IV VE	1	VOKCIENVGKFLDPNNK	17	NP_149832.1	369L	0.9929
11	2008-05-07-14 1642 1642 2 out	1213.7	1.719	0.35	1.83	496	0	IV VE	1	ELNQLDKIK	10	NP_149916.1	453L	0.9876
13	2008-05-07-14 1156 1156 2 out	1217.7	1.879	0.42	1.82	122	1.099	KBVKV KBV APV APV	4	LPVMWVVDTLK	11	NP_851403.1	non-structural polyprotein	0.9636
24	2008-05-07-14 1786 1786 2 out	1402.7	1.729	0.37	1.8	216	0	IV VE	1	DLEPKSVSFSTK	12	NP_149543.1	080L	0.9914
34	2008-05-07-14 4161 4161 3 out	1655.9	1.706	0.49	1.79	235	0	SV	1	DLVGVKTLTDLQLK	15	AA745735.1	structural polyprotein	0.9868
35	2008-05-07-14 1204 1204 3 out	1679.8	0.686	0.34	1.79	284	0	Nosema	1	NKANSDNMTHKGYER	15	AAU11092.1	unknown	0.9616
9	2008-05-07-14 1050 1050 2 out	1199.7	0.65	0.33	1.78	578	0	IV VE	1	KVYNQHKDK	10	NP_149674.1	211L	0.9621
37	2008-05-07-14 851 851 3 out	1701.8	1.087	0.44	1.78	185	0	IV VE	1	DTCHIQSGVGYMLSK	17	NP_149574.1	111R	0.9631
48	2008-05-07-14 2780 2780 3 out	1961.6	0.65	0.41	1.78	272	0.693	ABPV	1	PTKLMCPHETVSVNNVSI	19	AAO43637.1	structural protein	0.9875
16	2008-05-07-14 1343 1343 2 out	1244.7	0.997	0.31	1.73	211	0.693	Nosema	1	LDALSGYHVK	11	ABE26655.1	pol. polyprotein	1
20	2008-05-07-14 1406 1406 2 out	1331.7	1.18	0.34	1.69	715	0	ABPV	1	KNNNSHKMATPQK	12	NP_066242.1	capid protein	0.9935
23	2008-05-07-14 1637 1637 2 out	1377.7	1.68	0.37	1.69	261	0	IV VE	1	1ENNNSVGRQTQMK	12	NP_149530.1	067R	0.9946
17	2008-05-07-14 873 873 2 out	1258.7	1.035	0.39	1.67	354	0	IV VE	1	NKSPILNASEK	11	NP_149523.1	060L	0.9957
52	2008-05-07-14 1383 1383 3 out	2016	0.007	0.37	1.66	294	0	IV VE	1	LEGQHKIEYEGILTETR	17	NP_149635.1	172L	0.9912
8	2008-05-07-14 395 395 2 out	1198.7	1.22	0.34	1.62	258	0	IV VE	1	IKINIVHTK	10	NP_149921.1	458R	0.9789
4	2008-05-07-14 423 423 2 out	1155.6	1.644	0.5	1.59	341	0	SV SV						

## Test 61

Sr No	File Name	(M+H) <sup>+</sup>	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
12	2008-05-07-15 599 599 3 out	1776	0.351	0.37	2.14	526	0	Nosema	1	ISEIKGEYDLVRLIK	15	ABE27273	unknown	0.9975
13	2008-05-07-15 1758 1758 3 out	1780.9	0.345	0.34	1.94	140	0.693	Nosema	1	ISAEKNLLIFDEM*YR	16	AA662549	glutamyl-tRNA synthetase	0.9665
2	2008-05-07-15 1742 1742 3 out	1157.7	0.761	0.3	1.8	172	0.693	IIIV6	1	AIGGGIKDKDKGK	12	NP_149717.1	254L	0.9942
14	2008-05-07-15 1606 1606 3 out	1932.1	0.293	0.36	1.74	236	0	IIIV6	1	LTINEINFIIVDIQIPR	16	NP_149806.1	343L	0.9831
4	2008-05-07-15 1900 1900 2 out	1215.6	0.589	0.53	1.7	421	0	IIIV6	1	LDLDONKFLR	10	NP_149879.1	416R	0.9932
11	2008-05-07-15 4694 4694 3 out	1757.8	1.617	0.41	1.59	156	0	ABPV	1	VIAGDFSTFDGSLNVCI	17	AAD02171	RNA polymerase	0.9994
9	2008-05-07-15 4560 4560 3 out	1742.8	1.98	0.43	1.55	285	0	Nosema	1	WDHGFVGPVEYDIK	14	AA41564.1	isoleucyl-tRNA synthetase	0.9872
10	2008-05-07-15 958 958 3 out	1744	0.975	0.39	1.52	211	0.693	IIIV6	1	ISTRELLPIQIFGK	15	NP_149691.1	228L	0.9625
3	2008-05-07-15 154 154 2 out	1214.7	1.107	0.39	1.5	133	0	Nosema	1	MP*PLVQRVVEK	11	AA447660.1	mitochondrial-type HSP70	0.9849







Sr No	File Name	(M+H)	M	Cn	XCont	Sp	RSp	Reference	No	Peptide	XCont	AA	ID#	Protein	PF	
9	2008-08-01-11 1951 1951 2 out	1229 7	1 762	0.24	2.73	782	0	IV6	1	EIQLMKNILK	10	NP_149723	1	260R	0 9646	
15	2008-08-01-11 1964 1964 2 out	1614 9	1 274	0.38	2.6	691	0	IV6	1	TLITKTVQINIEK	10	NP_149513	1	050L	0 9751	
12	2008-08-01-11 1667 1667 2 out	1450 6	1 365	0.29	2.46	413	0	693	IV6	1	M*NDNDQVEIEK	13	NP_149765	1	302L	0 9708
1	2008-08-01-11 1362 1362 1 out	700 5	1 087	0.23	2.05	410	0	Nosema	1	VXDIIK	6	ABM26977	1	RNA polymerase II largest subunit	1	
13	2008-08-01-11 1631 1631 2 out	1534 8	1 75	0.41	2.03	834	0	Nosema	1	IMPFGLVNGPATFOR	14	ABE26655	1	pol polyprotein	0 9875	
5	2008-08-01-11 1417 1417 2 out	1133 7	0 616	0.47	2.02	348	0	IV6	1	DDYILLLR	9	NP_149867	1	404L	0 9965	
35	2008-08-01-11 2204 2204 3 out	2927 6	0 712	0.41	1.94	135	0	693	IV6	1	QLVTYHYHTMLKVIQRELWVMFK	23	NP_149894	1	431L	0 9922
17	2008-08-01-11 2192 2192 3 out	1671 9	1 894	0.42	1.88	227	0	Nosema	1	CHMLIRGVPIYEIK	14	ABO69719	1	unknown	0 9917	
10	2008-08-01-11 2207 2207 2 out	1348 8	0 008	0.48	1.83	776	0	IV6	1	KFKDILATGDK	12	NP_149612	1	149L	1	
20	2008-08-01-11 1765 1765 3 out	1738 9	0 04	0.52	1.83	236	1	386	Nosema	1	VPHYASPAFM*IEKKNK	16	ABE26651	1	pol polyprotein	1
26	2008-08-01-11 1058 1058 3 out	1982 1	1 846	0.43	1.83	173	0	Nosema	1	VDALASRELGLGLARLDGR	19	AAO91616	1	unknown	0 9879	
28	2008-08-01-11 1891 1891 3 out	2042 2	0 319	0.41	1.8	121	0	Nosema	1	IELSQADSTRIKALVELR	16	AAAC47660	1	mitochondrial-type HSP70	0 9816	
8	2008-08-01-11 1046 1046 2 out	1174 7	1 164	0.5	1.78	274	0	IV6	1	LDGVSLCIINK	11	NP_149668	1	205R	0 9569	
34	2008-08-01-11 1764 1764 3 out	2453 2	1 62	0.37	1.73	321	0	IV6	1	HGNDSSWWPELCENNQIEISR	21	NP_149642	1	179R	0 9574	
14	2008-08-01-11 5460 5461 2 out	1570 9	1 139	0.55	1.72	343	0	IV6	1	VKSLTE SLTPSLAK	15	NP_149769	1	306R	0 9636	
7	2008-08-01-11 2047 2047 2 out	1147 7	0 004	0.39	1.7	336	0	Nosema	1	FNQKQTLIR	9	ABY47976	1	hypothetical spore wall protein 14	0 9964	
32	2008-08-01-11 2515 2515 3 out	2101	1 448	0.47	1.67	178	0	Nosema	1	ERYNLVCPKPMWQYLK	17	ABY48894	1	hypothetical spore wall protein	0 9986	
4	2008-08-01-11 2167 2167 2 out	1122 5	0 594	0.43	1.62	207	0	IV6	1	SLMGNCPSSVK	11	NP_149555	1	092R	0 9758	
6	2008-08-01-11 1253 1253 2 out	1146 6	0 133	0.46	1.62	355	0	Nosema	1	LSKEMNRR	9	ABY47976	1	hypothetical spore wall protein 13	0 9912	
25	2008-08-01-11 2125 2125 3 out	1925 8	1 024	0.59	1.6	55	1	792	IV6	1	M*SDSOYVDYPSYINILK	17	NP_149561	1	098R	0 9817
29	2008-08-01-11 1531 1531 3 out	2071 1	1 353	0.45	1.52	76	0	IV6	1	QHFINAKLYNNIQQNK	17	NP_149668	1	205R	0 9564	
21	2008-08-01-11 1938 1939 2 out	1763 1	0 402	0.51	1.51	482	0	Nosema	1	RFDMVLAVILFLTK	15	AAI28057	1	AF406785 6 calmodulin-dependent protein kinase	1	
11	2008-08-01-11 1769 1769 2 out	1399 6	1 576	0.49	1.5	306	0	IV6	1	FRSMQGLSLMR	11	NP_149676	1	213R	0 9691	

Sr No	File Name	(M+H)	HM	ACn	XCorr	Sp	RSp	Reference	No	Peptide	AA ID#	Protein	PP	
16	2008-08-13-07 1676 1676 2 out	1614.9	0	274	0.38	2.47	605	0	IVf6	1	TILTKVQNIIEK	14 NP 149513 1	050L	0.9904
10	2008-08-13-07 1874 1874 2 out	1295.7	0	282	0.38	2.31	861	0	IVf6	1	EAKQIKIGNR	11 NP 149612 1	149L	0.993
11	2008-08-13-07 950 950 2 out	1344.7	1	59	0.26	2.19	311	0.693	IVf6	1	IENENNLEIK	11 NP 149776 1	313L	0.9952
1	2008-08-13-07 1175 1175 1 out	700.5	1	011	0.2	2.07	412	0	NoSema	1	VVDKII	6 ABM26977 1	RNA polymerase II largest subunit	1
13	2008-08-13-07 1522 1522 2 out	1371.8	0	464	0.32	1.96	281	0	NoSema	1	NNILSLKESLK	12 ABO69714 1	unknown	0.9939
24	2008-08-13-07 812 812 3 out	2024	1	966	0.53	1.93	256	0	IVf6	1	VDDTAESNLTIVVFANDK	18 NP 149475 1	012L	0.9697
4	2008-08-13-07 554 554 2 out	1179.5	0	657	0.32	1.89	553	0	NoSema	1	EVECLRAECK	10 ABA4890 1	hypothetical spore wall protein	0.9858
9	2008-08-13-07 1688 1688 2 out	1274.7	0	693	0.32	1.87	251	0	BQCV	1	KVEAYAPKVN R	11 NP 620564 1	nonstructural polyprotein	0.9972
3	2008-08-13-07 1238 1238 2 out	1143.7	0	386	0.35	1.85	310	0.693	NoSema	1	TLTILADGK	11 AAL28053 1	AF406785.2 checkpoint protein kinase	0.9567
8	2008-08-13-07 1286 1286 2 out	1264.7	1	76	0.51	1.78	440	0	IVf6	1	INGLDINSEYK	11 NP 149758 1	295L	1
17	2008-08-13-07 1863 1863 2 out	1648.8	0	559	0.36	1.76	209	1.099	IVf6	1	ETTNNEEVNIDEIK	14 NP 149901 1	438L	0.9952
18	2008-08-13-07 1176 1176 2 out	1631.8	0	293	0.37	1.73	148	0.693	IVf6	1	IDADLQGNMGVEIK	16 NP 149618 1	155L	0.9909
5	2008-08-13-07 1149 1149 2 out	1179.7	0	347	0.33	1.71	322	0	IVf6	1	PEILPLLTQR	10 NP 149731 1	268L	0.9691
25	2008-08-13-07 1026 1026 3 out	2249.2	0	732	0.57	1.71	186	1.099	IVf6	1	VHVHTIMHYLVNRYIK	17 NP 149537 1	074R	0.9951
21	2008-08-13-07 1902 1902 3 out	1793.9	0	601	0.42	1.69	207	0	NoSema	1	IKTSDQGGTTTKVQDEK	16 ABE26649 1	pol polyprotein	0.951
15	2008-08-13-07 1737 1737 2 out	1532.7	0	486	0.39	1.67	465	0	ABPV	1	NKDEFTKM+CWSK	13 NP 066241 1	replicase polyprotein	0.9931
6	2008-08-13-07 814 814 2 out	1218.7	0	523	0.46	1.63	404	0	NoSema	1	VLGRSIFAVTR	11 AAL28054 1	AF406785.3 pyruvate dehydrogenase E1 alpha subunit	1
14	2008-08-13-07 928 928 2 out	1453.7	0	282	0.35	1.62	199	0	IVf6	1	NKEAFNRQQYR	11 NP 149770 1	307L	0.955
7	2008-08-13-07 968 968 2 out	1258.7	0	486	0.4	1.52	227	0	IVf6	1	NKSPSLNNESEK	11 NP 149523 1	060L	0.9891

[illegible]



Tast 68A

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
38	2008-08-13-11 2133 2133 2 out	1790.9	1.374	0.63	4.14	851	0	Nosema	1	SYELPDGQVIGKSER	16	AAB86863.1	actin	0.971
4	2008-08-13-11 1479 1479 2 out	1156.7	0.415	0.71	3.18	893	0	KBVKBVKBVKBVKBVKBV	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.9809
26	2008-08-13-11 2111 2111 2 out	1614.9	0.56	0.35	2.88	674	0	IV6	1	TILTKVQNNIEK	14	NP_149513.1	050L	0.982
17	2008-08-13-11 1721 1721 2 out	1384.8	1.544	0.26	2.33	459	0	Nosema	1	QLERNKLEINK	11	ABE26652.1	pol polyprotein	0.9974
42	2008-08-13-11 4014 4014 3 out	1863.8	0.492	0.49	2.32	244	0	SVISVSV	3	MMQYKSGDRETSFQR	15	AAT79021.1	AF469603.1 polypolym	0.9785
13	2008-08-13-11 468 468 2 out	1350.8	0.603	0.34	2.28	617	0	IV6	1	FLETLKPFKDK	11	NP_149666.1	203L	0.9865
52	2008-08-13-11 549 549 3 out	1987.9	0.871	0.5	2.27	149	0	IV6	1	DMKFGCHYEIEFGKQR	16	NP_149538.1	075L	0.9772
32	2008-08-13-11 1558 1558 3 out	1729.9	0.635	0.41	2.25	148	0.693	IV6	1	MEIAFFLYLNDK	14	NP_149558.1	095L	0.9723
64	2008-08-13-11 2421 2421 3 out	2189.1	0.062	0.34	2.22	291	1.386	IV6	1	QVLLHELGHITFLGHSSDNK	20	NP_149628.1	165R	0.9859
9	2008-08-13-11 1241 1241 2 out	1283.7	0.497	0.32	2.2	394	0	Nosema	1	NYSKSSUESR	11	ABE26654.1	pol polyprotein	0.9835
21	2008-08-13-11 3094 3094 2 out	1497.8	0.484	0.3	2.17	128	1.386	Nosema	1	NIIFCFKDKELK	12	ABE27265.1	unknown	0.9934
69	2008-08-13-11 2529 2529 3 out	2514.4	0.467	0.39	2.17	152	1.609	IV6	1	DILATGDKVLVYAPKLTDPEAR	23	NP_149612.1	149L	0.9968
14	2008-08-13-11 2154 2154 2 out	1374.7	0.187	0.4	2.14	444	0	Nosema	1	EVMRIQAESIAK	12	AAT12295.1	phospholipase D	0.9938
55	2008-08-13-11 4174 4174 3 out	2000	1.982	0.45	2.1	191	0	IV6	1	EMNPPDTHAATVGVYVRK	18	NP_149848.1	385L	0.9842
6	2008-08-13-11 426 426 2 out	1209.6	0.471	0.39	2.08	676	0	DWVJDWVJDWVJDWVJkakugg	5	KLFWCQKEK	9	NP_853560.2	polyprotein	0.9856
20	2008-08-13-11 1529 1529 2 out	1485.9	1.581	0.35	2.08	540	0	Nosema	1	ISRLRTFIPLNR	12	AAT12296.1	chromosome segregation protein	0.9654
23	2008-08-13-11 1398 1398 2 out	1526.8	1.492	0.3	2.08	280	0.693	BOCVBOCV	2	ELSLHDKELWEK	12	NP_620564.1	nonstructural polyprotein	0.9962
24	2008-08-13-11 1409 1409 2 out	1528.8	1.73	0.33	2.05	730	0	KBVKBV	2	MEAFASDDTVTLK	15	NP_851403.1	non-structural polyprotein	0.9586
12	2008-08-13-11 957 957 2 out	1344.7	0.369	0.37	2.02	365	0	IV6	1	ENENNLEEK	11	NP_149776.1	313L	0.9673
45	2008-08-13-11 2565 2565 2 out	1947.8	1.848	0.48	1.98	157	0	Nosema	1	FNEQCGREMFEVLSIMK	17	ABV48900.1	hypothetical spore wall protein	0.9981
51	2008-08-13-11 636 636 3 out	1979	0.475	0.44	1.97	160	1.099	IV6	1	EETNEINYDILQK	16	NP_149563.1	100L	0.9913
61	2008-08-13-11 1535 1535 3 out	2111	0.454	0.42	1.96	351	0	Nosema	1	LKESLDFVSQYYCMQK	18	AAID2605.1	RNA polymerase II largest subunit	0.9912
49	2008-08-13-11 4001 4001 3 out	1957.9	0.424	0.44	1.95	325	0.693	DWVJDWVJDWVJDWVJ	5	MEFTDDKSGNTVKWR	17	ABM64819.1	polyprotein	0.9666
33	2008-08-13-11 1177 1177 2 out	1739	0.365	0.35	1.94	191	0.693	IV6	1	PKELICDGVAPRSK	16	NP_149475.1	012L	0.9784
10	2008-08-13-11 4008 4008 2 out	1285.7	0.454	0.3	1.93	532	0	IV6	1	EAQKIEKGNR	11	NP_149612.1	149L	0.9651
19	2008-08-13-11 1565 1565 2 out	1459.8	0.561	0.37	1.93	326	0	IV6	1	MPHYVVVVSPMR	13	NP_149567.1	104L	0.9875
1	2008-08-13-11 688 688 2 out	1106.6	0.537	0.35	1.91	189	1.386	IV6	1	KSMLOQMLK	9	NP_149711.1	288R	0.9802
29	2008-08-13-11 3568 3568 3 out	1711.8	0.955	0.43	1.88	158	1.099	IV6	1	ESMEKQYPECLVKV	14	NP_149639.1	176R	0.9908
8	2008-08-13-11 837 837 2 out	1269.6	0.44	0.34	1.87	257	0	SV	1	NLSSEYSSRR	11	AAK16263.1	polyprotein	0.9889
22	2008-08-13-11 2442 2442 2 out	1498.8	0.342	0.46	1.84	403	0.693	IV6	1	EIFICYREGKK	12	NP_149500.1	037L	0.9551
36	2008-08-13-11 424 424 3 out	1763.9	1.932	0.39	1.84	219	0	Nosema	1	TKLITEKCLEQLNK	15	ABE26501.1	pol polyprotein	0.985
71	2008-08-13-11 1787 1787 3 out	2633.2	1.228	0.61	1.83	77	0	Nosema	1	DVCLTSIEKCDSDNAPLMMFVSK	24	AAT72743.1	translation elongation factor 2	0.9822
5	2008-08-13-11 96 96 2 out	1163.5	0.099	0.35	1.82	232	0	IV6	1	DGNILMDANGK	12	NP_149500.1	037L	0.9798
41	2008-08-13-11 1287 1287 3 out	1849	1.158	0.41	1.8	299	0	IV6	1	LDKRTGLIMDFNNPK	16	NP_149642.1	179R	0.9909
63	2008-08-13-11 3481 3481 3 out	2168.9	1.683	0.47	1.8	349	0	KBVKBV	2	YVEGTGYDTVDYSM-QMWR	20	NP_851403.1	non-structural polyprotein	0.9852
59	2008-08-13-11 4792 4792 3 out	2057	0.555	0.47	1.78	123	1.099	IV6	1	NCSVTLYTNDTIQRTK	18	NP_149513.1	050L	0.9853
11	2008-08-13-11 4534 4534 3 out	1303.8	1.14	0.34	1.77	132	0	MSCUT	1	LLDFVEKGRVK	11	ABO96192.1	vasa	0.9818
67	2008-08-13-11 2782 2782 3 out	2417.3	0.019	0.54	1.77	178	1.099	IV6	1	LETHILLNFFVISLSDVK	21	NP_149501.1	038R	0.9722
47	2008-08-13-11 4066 4066 3 out	1954	0.512	0.52	1.75	148	1.609	IV6	1	LDISVEDRAPQDKNTR	17	NP_149463.1	468L	0.973
25	2008-08-13-11 1374 1374 2 out	1570.8	1.296	0.44	1.73	140	0	Nosema	1	IAKLEGDENYQYK	13	ABO69721.1	unknown	0.9912
56	2008-08-13-11 276 276 3 out	2008.1	0.496	0.55	1.73	70	1.946	Nosema	1	NSLNHLNPLGRAINSK	18	ABO69717.1	unknown	0.9676
2	2008-08-13-11 937 937 2 out	1138.7	1.994	0.35	1.72	127	0	Nosema	1	WNAPTLVPK	10	ABE26449.1	pol polyprotein	0.9967
50	2008-08-13-11 2352 2352 2 out	1977.1	1.155	0.42	1.71	52	0	IV6	1	NEKTSITEMATIELRK	17	NP_149672.1	209R	0.9958
27	2008-08-13-11 428 428 3 out	1655.9	0.239	0.44	1.69	158	0	SV	1	DILVGVEKTLQDLGR	15	AAT45735.1	structural polyprotein	0.9801
68	2008-08-13-11 2370 2370 3 out	2497.1	1.744	0.45	1.67	262	0	Nosema	1	M-CVDYALNSVTRDSYM-SPR	23	ABE26544.1	pol polyprotein	0.9909
34	2008-08-13-11 3790 3790 3 out	1745	1.322	0.45	1.66	69	2.996	IV6	1	LIFYVTEKSYLK	14	NP_149495.1	032R	0.9547
53	2008-08-13-11 4192 4192 3 out	1996.2	1.385	0.39	1.66	249	0	IV6	1	NIVKIEDEVRLNTRK	17	NP_149513.1	050L	0.9913
54	2008-08-13-11 1397 1397 3 out	1998	1.026	0.4	1.64	460	0	Nosema	1	SNDVTEKEDINSLYDKK	17	ABE27266.1	unknown	0.988
58	2008-08-13-11 699 699 3 out	2012.1	0.813	0.54	1.64	192	0	Nosema	1	NTKEIFKTEIGENLFK	17	ABO69725.1	unknown	0.9882
3	2008-08-13-11 298 298 2 out	1147.6	0.514	0.45	1.59	150	1.792	Nosema	1	LYPGTEAGLVK	11	AAT12296.1	chromosome segregation protein	0.9877
62	2008-08-13-11 2766 2766 3 out	2145.1	0.988	0.42	1.59	139	0.693	IV6	1	EEDTKDVLIDQNECLK	18	NP_149611.1	148R	0.9805
37	2008-08-13-11 2305 2305 2 out	1767	0.394	0.43	1.58	130	0	IV6	1	MKIFTFYFLKIDGG	15	NP_149715.1	252L	0.9965
57	2008-08-13-11 1720 1720 3 out	2012	0.599	0.44	1.58	220	0	SV	1	LSSGGIGRNSSEYSSRR	19	AAK16260.1	polyprotein	0.9898
70	2008-08-13-11 3448 3448 3 out	2587.2	0.48	0.48	1.58	175	0	Nosema	1	TYCEGASVMEEGHTGCGNKQPLIK	24	ABM26979.1	RNA polymerase II largest subunit	0.9875
44	2008-08-13-11 2281 2281 2 out	1917	0.74	0.43	1.57	80	0.693	Nosema	1	FIVLATDYFTKWVEGK	16	ABE26649.1	pol polyprotein	0.9889
60	2008-08-13-11 4426 4426 3 out	2057.1	0.724	0.45	1.57	216	0	IV6	1	IDADLQNGMVEIKALIK	20	NP_149618.1	155L	0.9917
39	2008-08-13-11 365 365 3 out	1834.9	0.694	0.44	1.56	82	1.609	BOCV	1	VEGSGNVPPEAYESKVR	17	NP_620564.1	nonstructural polyprotein	0.9848
15	2008-08-13-11 816 816 2 out	1375.7	0.367	0.47	1.55	200	0.693	IV6	1	QNDSPFNPLKS	12	NP_149928.1	465R	0.987
16	2008-08-13-11 3329 3329 2 out	1377.7	1.49	0.41	1.55	145	0	IV6	1	LISLDEGTRCR	12	NP_149800.1	337L	0.9595
18	2008-08-13-11 4447 4447 2 out	1413.8	0.638	0.39	1.55	158	0	Nosema	1	YDGLDLSVYK	12	ABM26981.1	RNA polymerase II largest subunit	0.9948
30	2008-08-13-11 3901 3901 3 out	1712.1	0.48	0.44	1.51	294	0	IV6	1	IIHKKILYRGPY	14	NP_149680.1	217L	0.9781
66	2008-08-13-11 2760 2760 3 out	2382.3	1.64	0.48	1.5	272	0	IV6	1	MEIPLVWKNADQDLIK	21	NP_149714.1	251L	0.953

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Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
5	2008-08-13-09 1676 1676 2 out	1517.8	0.412	0.71	4.16	1514	0	IAPVIAPV	2	TITDNWILQANTK	13	YP_001040003.1	structural polyprotein	0.9899
6	2008-08-13-09 1929 1929 3 out	1717.8	0.664	0.55	3.75	927	0	IAPVIAPV	2	NMDDTHSIQFLQR	14	YP_001040003.1	structural polyprotein	0.9961
8	2008-08-13-09 1809 1809 3 out	1733.8	0.885	0.6	3.28	544	0	IAPVIAPV	2	NMDDTHSIQFLQR	15	YP_001040003.1	structural polyprotein	0.9978
3	2008-08-13-09 1322 1322 2 out	1156.7	0.146	0.76	2.99	675	0	KBVKBVKBVKBVKBV	6	IGPISEVASGVK	12	ABN49472.1	VP4 protein	0.98
2	2008-08-13-09 65 65 2 out	1149.6	0.482	0.69	2.78	969	0	IAPVIAPV	2	ITSISETENR	10	YP_001040003.1	structural polyprotein	0.9702
4	2008-08-13-09 2733 2733 2 out	1515.7	1.443	0.69	2.63	535	0	Nosema	1	IWHHTFYNELR	11	AAB86863.1	actin	0.9938
15	2008-08-13-09 1521 1521 3 out	1827.9	0.643	0.31	2.36	457	0	IV6	1	ENKNLFIPTDPLPSK	16	NP_149750.1	287R	0.9965
20	2008-08-13-09 1846 1846 3 out	2110.1	1.484	0.37	2.19	344	0	Nosema	1	ASLQKLELMQHNLVSR	18	AAT12296.1	chromosome segregation protein	0.9899
29	2008-08-13-09 2159 2159 3 out	2544.3	1.36	0.51	2.12	154	0	ABPVABPV	2	PITKLMPCEPVSNNVSVVVKW	22	AAO74623.1	capsid protein	0.9988
16	2008-08-13-09 1690 1690 3 out	1857	1.258	0.37	2.11	442	0	IV6	1	ASASIGACMKGVFIIFNK	18	NP_149833.1	370R	0.9916
1	2008-08-13-09 1192 1192 1 out	700.5	1.05	0.2	2.08	418	0	Nosema	1	VXIDIK	6	ABM26977.1	RNA polymerase II largest subunit	1
28	2008-08-13-09 1077 1077 3 out	2496.1	0.116	0.51	2.03	134	0	Nosema	1	SPDVFDTAEVYEFKFM-CNNDK	22	ABO69725.1	unknown	0.9935
14	2008-08-13-09 314 314 3 out	1795.9	1.489	0.47	2.01	167	1.792	Nosema	1	NKLDCKFEGPYQIK	15	ABE26648.1	pol polyprotein	0.9987
7	2008-08-13-09 4642 4642 3 out	1726.9	1.055	0.51	1.95	208	0.693	IV6	1	GLGTHTKHEDPVKIFK	16	NP_149508.1	045L	1
17	2008-08-13-09 1088 1088 3 out	1986.9	1.954	0.36	1.93	196	0.693	Nosema	1	AEVRSM-TETSM-NQETIK	19	ABE26654.1	pol polyprotein	0.9918
25	2008-08-13-09 1955 1955 3 out	2361.2	1.666	0.52	1.74	263	0	Nosema	1	AWWEVSNDTPTQVASQMKKKK	21	ABO69713.1	Sec61alpha	0.9988
13	2008-08-13-09 1172 1172 3 out	1784.9	0.19	0.39	1.73	94	2.079	Nosema	1	IFENIVMGFSGISGDMK	17	AAF91269.1	20S proteasome alpha 5 subunit	0.9999
21	2008-08-13-09 2024 2024 3 out	2124.1	1.887	0.52	1.68	69	1.099	Nosema	1	ITGYCPGVIMVSHVYPAKAK	20	AB513630.1	translation elongation factor 1 alpha	0.9995
27	2008-08-13-09 1848 1848 3 out	2419.4	1.892	0.44	1.68	254	0	Nosema	1	KLKMAGYGVIMLVVVTSVAVFFT	24	AB488892.1	hypothetical spore wall protein	0.9902
11	2008-08-13-09 1379 1379 3 out	1776.9	1.16	0.4	1.63	279	0	IV6	1	EDNFNTVGGSKIVVGK	17	NP_149538.1	075L	0.9989
26	2008-08-13-09 1632 1632 3 out	2398.1	1.587	0.46	1.63	229	0	IV6	1	YMYTTCGKGDGNILMDANGPKP	22	NP_149501.1	037L	0.9975
23	2008-08-13-09 1030 1030 3 out	2249.2	0.607	0.41	1.62	192	0	IV6	1	IWHHTHLYLVRYRIK	17	NP_149537.1	074R	1
24	2008-08-13-09 1930 1930 3 out	2334.2	1.397	0.46	1.62	80	0	IV6	1	HPTLKDDQIQVDSYLAEGKLK	20	NP_149618.1	155L	0.994
18	2008-08-13-09 1516 1516 3 out	2058	0.46	0.43	1.57	278	0	Nosema	1	WVENYNSDDVIECAM-R	19	AAB54170.2	Hypothetical protein C44E 4.2	0.9963



Test 70																	
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP			
38	2008-08-15-01 1989 1989 2 out	1790 9	0.003	0.67	3.16	698	0	Nosema	1	SYELPDGQVIGKISER	16	AAB86863 1	actin	0.9952			
15	2008-08-15-01 1449 1449 2 out	1156 7	0.084	0.68	2.83	702	0	KBVKBVKBVKBVKBVKBV	6	IGPISEVASGVK	12	ABN49472 1	VP4 protein	1			
35	2008-08-15-01 2061 2061 2 out	1614 9	0.606	0.38	2.82	722	0	IV6	1	TILTKVQNIIEK	14	NP 149513 1	050L	0.9505			
37	2008-08-15-01 1526 1526 3 out	1776 9	1.226	0.58	2.27	204	0	Nosema	1	MVCEDCNRPQVIKK	15	AAD12605 1	RNA polymerase II largest subunit	0.9786			
8	2008-08-15-01 682 682 2 out	998 6	1.484	0.38	2.22	368	0	IV6	1	IELLNQIR	8	NP 149777 1	314L	0.9784			
21	2008-08-15-01 944 944 2 out	1344 7	1.63	0.28	2.15	305	0	IV6	1	IEENNNLEEIK	11	NP 149776 1	313L	0.9925			
29	2008-08-15-01 1014 1014 3 out	1495 8	0.377	0.3	2.01	219	0.693	IV6	1	TKSVSLVYEDLNK	13	NP 149848 1	385L	0.9766			
11	2008-08-15-01 1066 1066 2 out	1074 5	1.11	0.34	1.99	450	0	Nosema	1	ENNVADGLSR	10	ABE26651 1	pol polyprotein	0.9846			
28	2008-08-15-01 552 552 3 out	1469 7	1.257	0.48	1.98	305	0	Nosema	1	DFDGESIAAIYR	13	AAB54170 2	Hypothetical protein C4E4 2	0.9989			
13	2008-08-15-01 2032 2032 2 out	1102 7	0.571	0.5	1.95	539	0	Nosema	1	PLKSHLYR	9	ABO69724 1	unknown	0.9849			
31	2008-08-15-01 2834 2834 3 out	1515 7	0.719	0.56	1.95	394	0	Nosema	1	IWHHTFYNELR	11	AAB86863 1	actin	0.9928			
36	2008-08-15-01 2192 2192 2 out	1648 8	0.608	0.35	1.95	190	0.693	IV6	1	ETNEEVNIDEIK	14	NP 149901 1	438L	0.9692			
1	2008-08-15-01 1282 1282 2 out	700 5	0.352	0.33	1.94	365	0	Nosema	1	VXDIHK	6	ABM26977 1	RNA polymerase II largest subunit	0.9967			
9	2008-08-15-01 860 860 2 out	1016 5	1.294	0.31	1.84	249	0	IV6	1	FMKNFDSK	8	NP 149843 1	380R	0.9627			
10	2008-08-15-01 1181 1181 3 out	1070 6	0.625	0.33	1.83	404	0	IV6	1	LLWDWLKP	8	NP 149515 1	052R	0.9736			
16	2008-08-15-01 1996 1996 2 out	1229 7	0.993	0.4	1.83	494	0	IV6	1	EIQLMKNILK	10	NP 149723 1	260R	0.971			
14	2008-08-15-01 1946 1946 2 out	1143 6	0.712	0.54	1.82	779	0	Nosema/Nosema	2	LAVNMVFPFR	10	AAN35161 1	beta-tubulin	0.9943			
46	2008-08-15-01 2098 2098 3 out	2169 2	1.664	0.34	1.79	360	0	IV6	1	IDADLQNGMVEIKALIKK	20	NP 149618 1	155L	0.9949			
30	2008-08-15-01 2387 2387 2 out	1500 7	0.567	0.45	1.73	225	0	IV6	1	DDMVAASYLEGKER	14	NP 149635 1	172L	0.9928			
7	2008-08-15-01 370 370 2 out	997 6	0.61	0.37	1.7	196	0.693	Nosema	1	HFGVKLLR	8	AU11093 1	unknown	0.9823			
48	2008-08-15-01 2481 2481 3 out	2332 1	1.829	0.48	1.7	373	0	IV6	1	MNNYSLLENDPESPYFGVVK	21	NP 149891 1	428L	0.9765			
2	2008-08-15-01 1332 1332 2 out	764 4	0.61	0.38	1.68	358	0	IV6	1	NAJFATK	7	NP 149829 1	366R	1			
17	2008-08-15-01 1454 1454 2 out	1264 7	1.029	0.57	1.66	337	0	IV6	1	INGLIDSEYK	11	NP 149758 1	295L	0.9923			
24	2008-08-15-01 695 695 3 out	1388 6	1.4	0.46	1.66	50	2.485	IV6	1	DFSGFSGGGMIGEK	14	NP 149722 1	259R	0.9989			
6	2008-08-15-01 64 64 2 out	940 6	0.634	0.37	1.61	247	0	IV6	1	EVVLKKPK	8	NP 149902 1	439L	0.957			
34	2008-08-15-01 1006 1006 3 out	1604 9	0.177	0.4	1.61	114	0	KBVKBVKBVKBV	4	LEIFFEPGSIPTVR	14	YP 308662 1	VP2	0.9993			
41	2008-08-15-01 1472 1472 3 out	1965 1	0.89	0.37	1.6	253	0	IV6	1	EAPVKLCDALPVVNNNR	18	NP 149647 1	184R	0.9991			
19	2008-08-15-01 1955 1955 2 out	1297 8	0.454	0.42	1.56	465	0	IV6	1	VOIAKIPIM*LR	12	NP 149891 1	428L	0.9757			
23	2008-08-15-01 416 416 3 out	1385 7	1.493	0.44	1.54	119	0.693	Nosema/Nosema	2	ISDFSVMFRR	11	AAN35161 1	beta-tubulin	0.9609			
32	2008-08-15-01 3090 3090 3 out	1562 8	0.407	0.38	1.54	166	0	IV6	1	GFFCLGSALTFLMR	14	NP 149562 1	099L	0.9885			
25	2008-08-15-01 2766 2766 3 out	1406 8	1.121	0.43	1.53	90	0.693	IV6	1	TFRTILDHYK	11	NP 149485 1	022L	0.9542			
45	2008-08-15-01 2246 2246 3 out	2097 1	1.442	0.45	1.53	111	0	IV6	1	ENVFKNCFVTVILDQSLK	18	NP 149798 1	335L	0.97			
42	2008-08-15-01 1538 1538 3 out	1969	1.912	0.37	1.52	244	0	IV6	1	RSFLSCLM*SLUSTPIER	18	NP 149465 1	002R	0.9831			

Test 70														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
13	2008-08-15-02 1444 1444 2 out	1156 7	0.575	0.76	3.53	838	0	KBVKBVKBVKBVKBVKBV	6	IGPISEVASGVK	12	ABN49472 1	VP4 protein	1
50	2008-08-15-02 1982 1982 2 out	1790 9	0.311	0.66	3.52	716	0	Nosema	1	SYELPDGQVIGKISER	16	AAB86863 1	actin	0.9914
45	2008-08-15-02 2058 2058 2 out	1614 9	1.276	0.47	3.45	857	0	IV6	1	TILTKVQNIIEK	14	NP 149513 1	050L	0.9907
52	2008-08-15-02 1648 1648 3 out	1827 9	1.205	0.45	2.54	445	0	IV6	1	ENKNLIFPDTPPLSK	16	NP 149750 1	287R	0.9814
1	2008-08-15-02 183 183 2 out	783 5	0.029	0.36	2.33	592	0	IAPVIAPIV	2	HVLTKWK	6	YP 001040003 1	structural polyprotein	0.9959
25	2008-08-15-02 974 974 2 out	1344 7	1.595	0.26	2.3	307	0.693	IV6	1	IEENNNLEEIK	11	NP 149776 1	313L	0.9935
38	2008-08-15-02 2604 2604 3 out	1515 7	0.78	0.53	2.29	513	0	Nosema	1	IWHHTFYNELR	11	AAB86863 1	actin	0.9748
29	2008-08-15-02 3150 3150 3 out	1384 7	0.824	0.33	2.22	212	0.693	KBVKBV	2	GM*PEFTPIYYSK	13	NP 851403 1	non-structural polyprotein	0.9882
22	2008-08-15-02 2087 2087 2 out	1268 6	1.638	0.43	2.2	365	0.693	IV6	1	DKMQIYVEDK	10	NP 149676 1	213R	0.9609
8	2008-08-15-02 880 880 2 out	1000 6	0.504	0.41	2.14	276	0	Nosema	1	EVAVATAVK	10	ABE26648 1	pol polyprotein	0.9918
46	2008-08-15-02 1754 1755 2 out	1630 8	0.754	0.34	2.13	445	0	IV6	1	QENMLIESHNMLR	14	NP 149463 1	468L	0.9874
41	2008-08-15-02 2351 2351 2 out	1579 9	0.532	0.29	2.02	698	0	IV6	1	FLRETYGVLFKDR	13	NP 149770 1	307L	0.9956
5	2008-08-15-02 959 959 2 out	928 6	0.828	0.25	2.01	376	0	IV6	1	AILRLNTK	8	NP 149883 1	420R	0.9956
37	2008-08-15-02 418 418 3 out	1500 7	0.345	0.51	1.99	336	0	Nosema	1	ELVTSDENMKYR	13	ABY49795 1	hypothetical spore wall protein 13	0.9553
34	2008-08-15-02 916 916 2 out	1447 8	0.457	0.27	1.97	333	0	IV6	1	RFSGVTDVNIIVK	13	NP 149699 1	236L	0.9826
15	2008-08-15-02 12 12 2 out	1171 6	1.876	0.59	1.94	338	0	Nosema	1	HKGVMVGMGQK	11	AAB86863 1	actin	0.9976
49	2008-08-15-02 1259 1259 3 out	1784 9	0.551	0.38	1.89	112	1.609	Nosema	1	IFENIVMGFSGISGDAK	17	AAF91269 1	20S proteasome alpha 5 subunit	0.9796
6	2008-08-15-02 588 588 2 out	943 5	1.374	0.34	1.88	289	0	IV6	1	IILDNLK	8	NP 149769 1	306R	0.9921
39	2008-08-15-02 2160 2160 2 out	1524 9	1.368	0.33	1.88	458	0	IV6	1	SLGVVNEQLKVNPK	14	NP 149859 1	396L	0.9973
54	2008-08-15-02 2337 2337 2 out	1947 8	1.607	0.47	1.85	163	0	Nosema	1	FNEQCGREM*EVLMSMK	17	ABV48900 1	hypothetical spore wall protein	0.9968
4	2008-08-15-02 1666 1666 2 out	880 5	1.635	0.35	1.82	281	0	IV6	1	NFVKMNK	7	NP 149902 1	439L	0.9933
7	2008-08-15-02 372 372 2 out	989 5	0.101	0.28	1.82	617	0	IV6	1	DKKLNESR	8	NP 149639 1	176R	0.9924
11	2008-08-15-02 1174 1174 2 out	1070 6	0.989	0.35	1.82	628	0	IV6	1	LLWDWLKP	8	NP 149515 1	052R	0.9776
57	2008-08-15-02 2823 2823 3 out	2320 2	1.947	0.41	1.79	144	0	IV6	1	EHKLDYSLSNFVAKHFLGSK	20	NP 149500 1	037L	0.9542
30	2008-08-15-02 1990 1990 2 out	1384 8	0.466	0.37	1.78	389	0.693	IV6	1	FVGADVLLLEPII	13	NP 149910 1	447L	0.991
9	2008-08-15-02 2075 2075 2 out	1032 6	0.666	0.34	1.76	264	0	VDV1	1	LDMGTLNIR	9	ACF24764 1	polyprotein	0.9578
56	2008-08-15-02 2097 2097 3 out	2169 2	0.316	0.42	1.75	361	0	IV6	1	IDADLQNGMVEIKALIKK	20	NP 149618 1	155L	0.9801
2	2008-08-15-02 131 131 2 out	789 5	0.282	0.35	1.74	238	0	Nosema	1	KSIEGK	7	ABE26653 1	pol polyprotein	0.9831
35	2008-08-15-02 2090 2090 2 out	1458 8	1.176	0.34	1.7	81	0	IV6	1	QTRTVLNEIQK	12	NP 149561 1	098R	0.9779
43	2008-08-15-02 1488 1488 2 out	1596 8	0.44	0.49	1.69	145	0	Nosema	1	IEARFNEIKSEM*AR	14	BAC 15534 3	elongation factor 1 alpha	0.9624
28	2008-08-15-02 2112 2112 2 out	1380 6	0.517	0.37	1.68	101	0.693	IV6	1	MLYYCYFHILK	10	NP 149766 1	303R	0.9667
16	2008-08-15-02 2493 2493 2 out	1178 6	0.683	0.39	1.67	248	0	ABPVIABPVIABPVIABPV	4	NVTM*QINSKK	11	NP 066242 1	capsid protein	0.9786
20	2008-08-15-02 654 654 3 out	1244 7	1.091	0.4	1.67	210	0	IV6	1	EMILLPNESAK	11	NP 149674 1	211L	0.9752
19	2008-08-15-02 1599 1599 2 out	1228 7	0.359	0.51	1.66	365	0	IV6	1	RIKQGEWLAK	10	NP 149624 1	161L	0.9777
26	2008-08-15-02 1677 1677 2 out	1367 7	1.415	0.36	1.61	512	0	IV6	1	INLVLFDPHHR	11	NP 149818 1	355R	1
40	2008-08-15-02 1257 1257 2 out	1559 8	1.544	0.42	1.61	80	1.386	IV6	1	IM*DETQQLLYFKF	13	NP 149668 1	205R	0.994
33	2008-08-15-02 2147 2147 2 out	1429 6	0.983	0.41	1.6	244	0	IV6	1	RTETIDEM*CSK	13	NP 149633 1	170L	0.9675
44	2008-08-15-02 2274 2274 3 out	1604 9	1.959	0.47	1.57	149	0.693	IV6	1	DLWQRIETRM*FK	13	NP 149548 1	085L	0.988
53	2008-08-15-02 2340 2340 2 out	1911 9	0.642	0.4	1.56	239	0	SVISVJSV	3	MENIRAGMYDAEVGSLR	17	NP 049374 1	polyprotein	0.9575
36	2008-08-15-02 1473 1473 2 out	1485 9	0.305	0.5	1.55	520	0	Nosema	1	ISRRLTIFPLNR	12	AAT12296 1	chromosome segregation protein	0.9874
21	2008-08-15-02 1433 1433 2 out	1264 7	0.45	0.53	1.54	421	0	IV6	1	INGLIDISEYK	11	NP 149758 1	295L	0.9977
47	2008-08-15-02 1963 1963 2 out	1763 1	0.419	0.45	1.53	310	0	Nosema	1	RMFVIAVTVLFLTK	15	AAAL28057 1	AF46785 5 celmodulin-dependent protein kinase	0.9975







Slr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RsP	Reference	No	Peptide	AA	ID#	Protein	PP			
48	2008-08-18-02 2676 2676 3 out	1515	7	0.831	0.52	2.95	654	0	Nosema	1	AWHTFYNEILR	11	AAB86863	1	actin	0.9588	
22	2008-08-18-02 95 95 2 out	1171	6	0.589	0.64	2.76	734	0	Nosema	1	HKGVVMVGMGQK	11	AAB86863	1	actin	0.9926	
4	2008-08-18-02 2022 2022 2 out	1384	8	1.369	0.23	2.5	391	0	IVf6	1	FVGADVVLEPII	13	NP_149910	1	447L	0.9809	
41	2008-08-18-02 327 327 2 out	783	5	0.257	0.45	2.28	583	0	IAFVPIAPV	2	HVLTKK	6	YP_001040003	1	structural polyprotein	0.9767	
31	2008-08-18-02 2838 2838 2 out	1269	6	0.694	0.17	2.26	325	0	Nosema	1	GGMREYCVRAK	11	AB62549	1	glutaryl-tRNA synthetase	0.9921	
57	2008-08-18-02 2163 2163 2 out	1614	9	0.43	0.27	2.16	385	0	IVf6	1	TLTTKQVNIIEK	14	NP_149513	1	050L	0.9649	
56	2008-08-18-02 2925 2925 3 out	1611	9	1.068	0.54	2.15	568	0	IVf6	1	IVREAAVIERELR	13	NP_149695	1	232R	0.9779	
30	2008-08-18-02 2207 2207 2 out	1268	6	1.596	0.32	2.13	420	0	693	IVf6	1	DKMQIYVEIK	10	NP_149676	1	213R	0.9853
39	2008-08-18-02 1056 1056 2 out	1344	7	1.536	0.3	2.1	478	0	IVf6	1	IENENNLEIK	11	NP_149776	1	313L	0.9897	
21	2008-08-18-02 1084 1084 2 out	1164	5	0.633	0.22	2.06	504	0	Nosema	1	NCLCTIEDNK	10	ABV49795	1	hypothetical spore wall protein 13	0.9872	
70	2008-08-18-02 2208 2208 2 out	2169	2	1.319	0.64	2.04	246	0	IVf6	1	IDADLQNGMVEIILAIKK	20	NP_149618	1	155L	0.952	
1	2008-08-18-02 1288 1288 1 out	700	5	1.036	0.22	2.02	397	0	Nosema	1	XDIIK	6	ABM26977	1	rRNA polymerase II largest subunit	1	
17	2008-08-18-02 1233 1233 2 out	1070	6	0.254	0.35	2.01	600	0	IVf6	1	LLVDWLPK	8	NP_149515	1	052R	0.9866	
25	2008-08-18-02 2172 2172 2 out	1205	7	1.896	0.3	2	366	0	IVf6	1	VDVSTQTKVK	11	NP_149655	1	192R	0.96	
53	2008-08-18-02 2489 2489 2 out	1579	9	0.012	0.48	2	783	0	IVf6	1	FLRETVGVLFKDR	13	NP_149770	1	307L	0.9936	
11	2008-08-18-02 2666 2666 2 out	994	4	0.761	0.25	1.97	151	1	609	KBVKEVKBV	3	MNNEALM-R	9	YP_308663	1	VP3	0.9847
46	2008-08-18-02 1558 1558 2 out	1485	9	0.585	0.38	1.95	526	0	Nosema	1	ISRLTIFILNR	12	AAT12296	1	chromosome segregation protein	0.994	
19	2008-08-18-02 2126 2126 2 out	1102	7	0.46	0.45	1.92	575	0	Nosema	1	PLKSILYR	9	ABO69724	1	unknown	0.9824	
51	2008-08-18-02 2966 2966 3 out	1536	9	1.946	0.55	1.91	212	0	Nosema	1	NDLVVYVGLFNKR	13	ABE26649	1	pol polyprotein	1	
20	2008-08-18-02 1748 1748 2 out	1160	6	0.711	0.26	1.9	238	0	693	KBVKBV	2	IVENALGESK	11	NP_851403	1	non-structural polyprotein	0.9841
44	2008-08-18-02 2721 2721 2 out	1426	7	0.438	0.4	1.9	250	0	IVf6	1	SIDULMYEYSEK	12	NP_149485	1	022L	1	
42	2008-08-18-02 3200 3200 3 out	1388	6	1.319	0.39	1.87	268	0	IVf6	1	DFSGFSGGGMIGEK	14	NP_149722	1	259R	0.969	
72	2008-08-18-02 2632 2632 3 out	2332	1	0.32	0.52	1.86	237	0	IVf6	1	MNNYSLLEDNPSPYFGVVK	21	NP_149891	1	428L	0.9649	
24	2008-08-18-02 3941 3941 3 out	1190															

Str No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA ID#	Protein	PP	
47	2008-08-15-04 2004 2004 2 out	1790 9	0.432	0.65	3.59	644	0	Nosema	1	SYELPDGQVVIKISGER	16	AAB86863 1	actin	0.9736
39	2008-08-15-04 2883 2883 3 out	1515 7	0.804	0.58	2.87	698	0	Nosema	1	IMHHTFYNELR	11	AAB86863 1	actin	0.9544
19	2008-08-15-04 1457 1457 2 out	1156 7	0.126	0.72	3.29	633	0	KEVIVKVKVKEVIVKVKV	6	IGPSESVSGVK	12	ABN43472 1	VP4 protein	1
44	2008-08-15-04 2126 2126 2 out	1614 9	0.268	0.37	2.59	829	0	IVIV6	1	TLTITKVVQINIEK	14	NP 149513 1	050L	0.9762
41	2008-08-15-04 2377 2377 2 out	1579 9	0.4	0.44	2.56	959	0	IVIV6	1	FLRETGVGLFKDR	13	NP 149770 1	307L	0.9768
3	2008-08-15-04 387 387 2 out	783 5	0.207	0.38	2.4	573	0	IAPVVIAPV	2	HVLITWK	6	YP 001040003 1	structural polyprotein	0.9673
6	2008-08-15-04 746 746 2 out	892 5	0.851	0.25	2.36	206	0.693	IVIV6	1	KVMTEELK	8	NP 149750 1	287R	0.9922
27	2008-08-15-04 2108 2108 2 out	1269 6	1.698	0.27	2.28	477	0	IVIV6	1	DKMQIYVEDK	10	NP 149676 1	213R	0.9814
36	2008-08-15-04 1935 1937 2 out	1384 8	0.1	0.3	2.06	494	0	IVIV6	1	FVGADVLLLEPII	13	NP 149910 1	447L	0.9641
1	2008-08-15-04 1255 1255 1 out	700 5	1.02	0.17	2.405	0	Nosema	1	VXDIHI	6	ABM26977 1	RNA polymerase II largest subunit	1	
34	2008-08-15-04 1001 1001 2 out	1344 7	1.525	0.31	1.97	344	0	IVIV6	1	IENENNLEELK	11	NP 149776 1	313L	0.9942
28	2008-08-15-04 1880 1880 2 out	1270 7	1.401	0.52	1.95	469	0	IAPVVIAPV	2	LVLNANPFAVAGR	12	YP 001040003 1	structural polyprotein	1
4	2008-08-15-04 1703 1703 2 out	880 5	1.596	0.39	1.88	284	0	IVIV6	1	NFVKMKNK	7	NP 149902 1	439L	0.9685
46	2008-08-15-04 2071 2071 1 out	1763 1	0.897	0.45	1.86	044	0	Nosema	1	RMFVLAVITLFLTK	15	AAL28057 1	AF406785 6 calmodulin-dependent protein kinase	0.9754
9	2008-08-15-04 2022 2022 2 out	1027 5	0.893	0.41	1.8	680	0	IVIV6	1	YKPYVTEK	8	NP 149475 1	012L	0.9729
30	2008-08-15-04 1503 1503 2 out	1295 8	1.376	0.36	1.8	353	0	Nosema	1	ACVAVLTVVNHK	12	BAC15534 1	elongation factor 1 alpha	0.965
2	2008-08-15-04 1349 1349 3 out	764 4	0.467	0.36	1.79	307	0	IVIV6	1	NAIFATK	7	NP 149829 1	366R	1
50	2008-08-15-04 2109 2109 2 out	2089 1	1.289	0.37	1.75	270	0	Nosema	1	KGNVISDTKTSPCVIOPACK	20	AA516360 1	translation elongation factor 1 alpha	0.9506
10	2008-08-15-04 1586 1586 2 out	1041 5	0.072	0.35	1.74	520	0	IVIV6	1	IMQIYVEDK	9	NP 149676 1	213R	0.9726
15	2008-08-15-04 4574 4574 3 out	1100 6	1.816	0.32	1.73	432	0	IVIV6	1	IPPIDDFKR	9	NP 149530 1	067R	0.9997
20	2008-08-15-04 198 198 2 out	1171 6	1.431	0.41	1.71	285	0	Nosema	1	HKGVMVGMGQK	11	AAB86863 1	actin	0.9659
45	2008-08-15-04 1344 1344 3 out	1747 9	0.673	0.37	1.69	217	0	KEVIVKVKVKEVIVKVKV	5	QVSMQIAITPNKSKSTK	16	ABN43472 1	VP4 protein	0.992
25	2008-08-15-04 3409 3409 3 out	1240 7	1.188	0.39	1.68	199	1.099	IVIV6	1	GRITGGVTLPGGR	13	NP 149676 1	213R	0.9925
7	2008-08-15-04 45 45 2 out	899 6	0.385	0.42	1.66	321	0	Nosema	1	SLKILIR	8	ABE26652 1	pol polyprotein	0.9766
38	2008-08-15-04 505 505 3 out	1503 8	0.449	0.36	1.66	332								



## Test 71

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
23	2008-08-15-05 1466 1466 2 out	1156.7	0.298	0.75	2.93	681	0	KBV/KBV/KBV/KBV/KBV	6	IGPISEVASGVK	12	ABN49472 1	VP4 protein	0.9901
42	2008-08-15-05 2889 2889 3 out	1515.7	0.858	0.61	2.9	1167	0	Nosema	1	IWHHTFYNELR	11	AAB86863 1	actin	0.95
49	2008-08-15-05 2016 2016 2 out	1790.9	0.21	0.7	2.9	596	0	Nosema	1	SYELPDGQVIGKSER	16	AAB86863 1	actin	0.9852
45	2008-08-15-05 2394 2394 2 out	1579.9	1.361	0.53	2.75	780	0	IV6	1	FLRETVGVLFKDR	13	NP 149770 1	307L	0.9767
22	2008-08-15-05 210 210 2 out	1149.6	0.388	0.67	2.68	1337	0	IAPV/IAPV	2	ITSISETENR	10	YP 001040003 1	structural polyprotein	0.988
11	2008-08-15-05 496 496 2 out	974.6	0.503	0.29	2.5	659	0	Nosema	1	IKKELSTR	8	BAF76326 1	heat shock protein 70	0.9617
46	2008-08-15-05 2037 2037 2 out	1614.9	0.283	0.38	2.33	596	0	IV6	1	TLTTKVQNINIEK	14	NP 149513 1	050L	0.9889
3	2008-08-15-05 1034 1034 2 out	801.5	0.61	0.28	2.29	561	0	BQCV	1	DLDLVVK	7	NP 620564 1	nonstructural polyprotein	0.9671
31	2008-08-15-05 2027 2027 2 out	1229.7	0.437	0.22	2.24	693	0	IV6	1	ELQLMKNLK	10	NP 149723 1	260R	0.972
38	2008-08-15-05 1125 1125 2 out	1344.7	0.228	0.37	2.22	400	0	IV6	1	ENENNLEEK	11	NP 149776 1	313L	0.9718
24	2008-08-15-05 315 315 2 out	1171.6	0.41	0.64	2.21	454	0	Nosema	1	HKGVMVGMGQK	11	AAB86863 1	actin	0.9897
48	2008-08-15-05 1551 1551 3 out	1776.9	0.6	0.52	2.2	211	0	693 Nosema	1	MVCEDCNNROPVKK	15	AAD12605 1	RNA polymerase II largest subunit	0.9722
39	2008-08-15-05 1948 1948 2 out	1384.8	0.646	0.23	2.17	433	0	IV6	1	FVGADVVLLEPI	13	NP 149910 1	447L	0.9533
47	2008-08-15-05 2210 2211 2 out	1648.8	0.713	0.36	2.08	163	1	946 IV6	1	ETTNEEVNIDEIK	14	NP 149901 1	438L	0.9859
34	2008-08-15-05 2008 2008 2 out	1270.8	0.157	0.35	2.07	367	0	Nosema	1	NINTVKEVLK	11	ABV48897 1	hypothetical spore wall protein	0.9616
12	2008-08-15-05 543 543 2 out	989.5	0.536	0.32	1.97	461	0	IV6	1	DKKLNESR	8	NP 149639 1	176R	0.9854
30	2008-08-15-05 1864 1864 2 out	1213.7	1.333	0.25	1.96	1003	0	IV6	1	ELNQLDKK	10	NP 149916 1	453L	0.9745
29	2008-08-15-05 2061 2061 2 out	1205.7	1.692	0.33	1.94	452	0	IV6	1	VDYSTQTKTVK	11	NP 149655 1	192R	0.9859
13	2008-08-15-05 2514 2514 2 out	994.4	0.334	0.32	1.9	190	1	792 KBV/KBV/KBV	3	MNNEALM'R	9	YP 308663 1	VP3	0.986
16	2008-08-15-05 1587 1587 2 out	1041.5	0.128	0.25	1.9	503	0	IV6	1	M'QIYVEDEK	9	NP 149676 1	213R	0.9769
20	2008-08-15-05 2039 2039 2 out	1102.7	0.34	0.41	1.89	527	0	Nosema	1	PLKSILYR	9	ABO69724 1	unknown	0.9745
6	2008-08-15-05 760 760 2 out	877.6	0.557	0.28	1.88	189	1	099 IV6	1	QIVKYK	7	NP 149813 1	350L	0.9809
8	2008-08-15-05 798 798 2 out	923.5	1.38	0.4	1.86	98	2	197 KBV/KBV/KBV	3	VASGVSYLK	9	NP 851403 1	non-structural polyprotein	0.971
33	2008-08-15-05 1894 1894 2 out	1270.7	0.676	0.47	1.85	407	0	IAPV/IAPV	2	LVLNAPFVAGR	12	YP 001040003 1	structural polyprotein	0.9812
51	2008-08-15-05 2344 2344 2 out	1947.8	1.341	0.42	1.85	128	0	Nosema	1	FNEQCGREM'EVLMSMK	17	ABV48900 1	hypothetical spore wall protein	0.9575
44	2008-08-15-05 1616 1616 2 out	1534.8	1.61	0.45	1.82	816	0	Nosema	1	MPFGLVNGPATFQR	14	ABE26655 1	pol polyprotein	0.9878
5	2008-08-15-05 308 308 2 out	859.5	0.967	0.29	1.81	587	0	IV6	1	SIKNLER	7	NP 149686 1	223L	0.9596
15	2008-08-15-05 1433 1433 2 out	1040.5	1.679	0.27	1.81	257	0	IV6	1	EM'M'KINDK	10	NP 149663 1	468L	0.9784
32	2008-08-15-05 2116 2116 2 out	1268.6	0.588	0.42	1.81	415	0	IV6	1	DKMQIYVEOK	10	NP 149676 1	213R	0.9676
2	2008-08-15-05 431 431 2 out	783.5	0.286	0.39	1.8	624	1	609 IAPV/IAPV	2	HVLTWK	6	YP 001040003 1	structural polyprotein	0.98
1	2008-08-15-05 1320 1320 2 out	700.5	0.34	0.33	1.73	366	0	Nosema	1	VXDIK	6	ABM26977 1	RNA polymerase II largest subunit	0.9607
21	2008-08-15-05 1970 1970 2 out	1131.6	0.591	0.41	1.71	183	1	386 IAPV/IAPV	2	SWTLPSTVLK	10	YP 001040003 1	structural polyprotein	0.9864
41	2008-08-15-05 2396 2396 2 out	1500.7	0.456	0.41	1.69	277	0	IV6	1	DDM'AASYLEGKER	14	NP 149635 1	172L	0.9824
14	2008-08-15-05 820 820 2 out	996.5	0.729	0.44	1.66	181	0	693 Nosema	1	GQTGM'YFVK	10	ABO69713 1	Sec61alpha	0.9913
18	2008-08-15-05 946 946 2 out	1057.5	1.492	0.45	1.66	62	1	609 IV6	1	AFM'KNQFR	9	NP 149612 1	149L	0.9657
43	2008-08-15-05 2194 2194 2 out	1524.9	0.779	0.44	1.62	582	0	IV6	1	SLGVVNEQLKVNP	14	NP 149859 1	396L	0.9636
10	2008-08-15-05 1422 1422 2 out	967.5	0.558	0.33	1.59	278	0	KBV/KBV/KBV/KBV/IAPV	6	FFNTPLK	8	YP 308663 1	VP3	0.9768
35	2008-08-15-05 2225 2225 2 out	1285.7	1.344	0.44	1.59	822	0	IV6	1	EAQKIEKGNR	11	NP 149612 1	149L	0.9583
27	2008-08-15-05 3647 3647 3 out	1189.6	0.124	0.4	1.52	212	0	Nosema	1	NGKVFPDEKR	10	ABE26649 1	pol polyprotein	0.9739
37	2008-08-15-05 2331 2331 2 out	1343.8	1.543	0.36	1.52	214	0	IV6	1	LWLSDEVLLK	11	NP 149590 1	127L	0.9546
50	2008-08-15-05 1997 1997 3 out	1900.9	0.686	0.4	1.52	193	0	IV6	1	EYMTITFCNQEHQIK	16	NP 149752 1	289L	0.9769
26	2008-08-15-05 3346 3346 3 out	1186.7	0.086	0.43	1.5	151	0	IV6	1	ILFIGDPHFK	10	NP 149707 1	244L	0.9972

## Test 71

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
29	2008-08-18-04 2061 2061 2 out	1614.9	1.403	0.48	3.09	620	0	IV6	1	TLTTKVQNINIEK	14	NP 149513 1	050L	0.9863
13	2008-08-18-04 89 89 2 out	1149.6	0.197	0.59	2.61	412	0	IAPV/IAPV	2	ITSISETENR	10	YP 001040003 1	structural polyprotein	0.9792
16	2008-08-18-04 150 150 2 out	1171.6	0.607	0.66	2.53	706	0	Nosema	1	HKGVMVGMGQK	11	AAB86863 1	actin	0.9591
8	2008-08-18-04 308 308 2 out	974.6	0.398	0.38	2.44	636	0	Nosema	1	IKKELSTR	8	BAF76326 1	heat shock protein 70	0.9921
25	2008-08-18-04 3194 3194 3 out	1515.7	1.122	0.48	2.43	717	0	Nosema	1	IWHHTFYNELR	11	AAB86863 1	actin	0.9705
1	2008-08-18-04 1232 1232 2 out	700.5	0.102	0.2	2.17	370	0	Nosema	1	VXDIK	6	ABM26977 1	RNA polymerase II largest subunit	0.9656
17	2008-08-18-04 1994 1994 2 out	1270.8	0.568	0.36	2.13	329	0	Nosema	1	NINTVKEVLK	11	ABV48897 1	hypothetical spore wall protein	0.9908
21	2008-08-18-04 1108 1108 2 out	1344.7	0.772	0.29	2.1	407	0	IV6	1	ENENNLEEK	11	NP 149776 1	313L	0.9911
12	2008-08-18-04 450 450 3 out	1126.6	1.859	0.39	2.02	224	1	099 Nosema	1	NOGIGPADINK	11	AAK68858 1	DNA repair protein	0.9974
23	2008-08-18-04 1934 1934 2 out	1384.8	0.824	0.41	1.93	533	0	693 IV6	1	FVGADVVLLEPI	13	NP 149910 1	447L	0.9748
10	2008-08-18-04 1191 1191 2 out	1070.6	0.987	0.35	1.92	575	0	IV6	1	LLWDWLPK	8	NP 149515 1	052R	0.9927
33	2008-08-18-04 2151 2151 3 out	2265.2	1.522	0.55	1.92	60	2	079 IV6	1	PHITGWIFNFDITFLK	19	NP 149500 1	037L	0.9568
30	2008-08-18-04 2328 2328 2 out	1835.9	1.173	0.43	1.91	75	0	Nosema	1	IQGPDYVPGTSSDMQIK	17	AAT72743 1	translation elongation factor 2	0.9871
4	2008-08-18-04 237 237 2 out	791.4	0.351	0.34	1.88	851	0	Nosema	1	ESKDNK	7	ABE27277 1	unknown	0.9918
24	2008-08-18-04 2817 2817 2 out	1413.8	1.022	0.39	1.79	223	0	SV	1	FVKWHAQEQIK	11	AAL79021 1	AF469603 1 polyprotein	0.9929
3	2008-08-18-04 335 335 2 out	783.5	0.053	0.45	1.77	679	0	IAPV/IAPV	2	HVLTWK	6	YP 001040003 1	structural polyprotein	0.9877
9	2008-08-18-04 1152 1152 2 out	1058.6	1.403	0.47	1.75	185	1	386 IV6	1	SPNVSLTGKR	10	NP 149664 1	201R	0.9807
7	2008-08-18-04 746 746 2 out	923.5	1.547	0.4	1.74	100	1	609 KBV/KBV/KBV	3	VASGVSYLK	9	NP 851403 1	non-structural polyprotein	0.9901
27	2008-08-18-04 2183 2183 2 out	1524.9	0.472	0.48	1.66	590	0	IV6	1	SLGVVNEQLKVNP	14	NP 149859 1	396L	0.9573
15	2008-08-18-04 833 833 2 out	1153.5	0.457	0.51	1.63	456	0	IV6	1	TM'TGLEASGR	12	NP 149548 1	085L	0.9898
2	2008-08-18-04 654 654 1 out	730.4	1.218	0.32	1.61	220	0	IV6	1	NLNVDK	6	NP 149681 1	218R	1
20	2008-08-18-04 2704 2704 3 out	1338.7	0.449	0.41	1.58	141	0	693 BQCV	1	DDTEIDFLSRK	11	AAP58354 1	RNA dependant RNA polymerase RdRp	0.9876
28	2008-08-18-04 4233 4233 3 out	1604.8	1.19	0.43	1.57	151	0	IV6	1	LNESREIVSAEMVK	14	NP 149639 1	176R	1
22	2008-08-18-04 4181 4181 3 out	1356.7	1.026	0.5	1.55	190	0	Nosema/Nosema	5	LNNKFDLMYAK	11	AAZ23550 1	alpha-tubulin	0.9952
19	2008-08-18-04 2260 2260 2 out	1337.7	0.17	0.45	1.53	128	0	IV6	1	INESDKYIVK	11	NP 149647 1	184R	0.9574



Sr No	File Name	(M+H) <sup>+</sup>	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
8	2008-10-17-04_1957.1957.2.out	961.4	0.001	0.21	2.18	225	0	SVISV	2	EASPNSDGGK	10	NP_049374.1	polyprotein	0.9993



Test 86

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
103	2008-03-05-05 3925 3925 2 out	1790.9	0.122	0.67	3.1	634	0	Nosema	1	SYELPDGQVVIKGSER	16	AAB88663.1	actin	0.9917
79	2008-03-05-05 2790 2790 2 out	1202.7	1.09	0.2	2.26	272	0	IV6	1	KFPTLEIINK	10	NP_149688.1	225R	0.9945
100	2008-03-05-05 3888 3888 2 out	1614.9	0.47	0.28	2.25	813	0	IV6	1	TILTITQVQINIEK	14	NP_149513.1	050L	0.9965
21	2008-03-05-05 979 979 2 out	802.5	0.907	0.09	2.18	246	1.386	Nosema	1	KSLDVLK	7	ABO69715.1	unknown	0.9877
10	2008-03-05-05 1946 1946 2 out	743.5	1.57	0.17	2.11	393	0	IV6	1	QVKKIK	6	NP_149486.1	023L	0.9902
6	2008-03-05-05 1542 1542 2 out	725.3	0.175	0.04	2.07	293	0	Nosema	1	QFSDTQ	6	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9978
54	2008-03-05-05 1545 1545 2 out	986.6	1.03	0.19	2.04	171	1.099	Nosema	1	EGTAVLRLLK	9	AAB62548.1	glutaminyl-tRNA synthetase	0.9899
19	2008-03-05-05 2042 2042 2 out	777.5	1.318	0.19	2.03	185	1.386	IV6	1	EIIFKK	6	NP_149713.1	250L	0.9912
8	2008-03-05-05 1429 1429 2 out	730.4	0.478	0.12	1.98	290	1.386	IV6	1	QIDNLK	6	NP_149923.1	460R	0.9732
11	2008-03-05-05 1180 1180 2 out	744.5	0.751	0.04	1.97	278	0.693	Nosema	1	KLIENK	6	AAB62548.1	glutaminyl-tRNA synthetase	0.9763
99	2008-03-05-05 3531 3531 2 out	1595.8	0.268	0.15	1.97	49	1.609	IV6	1	EMINFKSLDEEK	13	NP_149611.1	148R	0.974
77	2008-03-05-05 3265 3265 2 out	1178.7	0.745	0.2	1.95	478	0.693	IV6	1	LINEIKSFSK	10	NP_149500.1	037L	0.9897
95	2008-03-05-05 4428 4428 2 out	1492.9	0.446	0.24	1.92	231	1.386	Nosema	1	VLDNRHLGSIKIK	13	BAF76326.1	heat shock protein 70	1
1	2008-03-05-05 3156 3156 2 out	700.5	0.41	0.29	1.9	359	0	Nosema	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	0.9926
94	2008-03-05-05 3711 3711 2 out	1481.9	1.927	0.24	1.89	124	0	DWVIDWV DWV Kakugo VDV1	13	NP_853560.2	polyprotein	1		
18	2008-03-05-05 945 945 2 out	774.4	0.887	0.04	1.88	303	0	IV6	1	ELKDNR	6	NP_149851.1	388R	0.9902
50	2008-03-05-05 1861 1861 2 out	949.5	1.053	0.18	1.86	223	1.099	Nosema	1	AGNMSAGTLK	10	AAC47660.1	mitochondrial-type HSP70	0.9803
40	2008-03-05-05 3188 3188 2 out	914.6	0.618	0.15	1.84	187	0	IV6	1	LINDLAKK	8	NP_149647.1	184R	0.9948
67	2008-03-05-05 3106 3106 2 out	1070.6	0.114	0.28	1.84	448	0	IV6	1	LLWDWLPK	8	NP_149515.1	052R	0.9627
28	2008-03-05-05 2058 2058 2 out	829.6	1.866	0.1	1.83	336	0	IV6	1	IKTINLK	7	NP_149545.1	082L	0.979
42	2008-03-05-05 1005 1005 2 out	919.5	0.166	0.19	1.82	204	1.386	IV6	1	ESIKDSIK	8	NP_149548.1	085L	0.9938
92	2008-03-05-05 2888 2888 2 out	1396.8	1.126	0.33	1.82	96	0.693	gr	1	EDERVVPVKTK	12	YP_654579.1	hypothetical protein MIV007R	0.9976
16	2008-03-05-05 1606 1606 2 out	771.5	1.4	0.24	1.81	363	0.693	Nosema	1	RIEIK	6	ABE27266.1	unknown	0.9949
89	2008-03-05-05 3069 3069 2 out	1372.7	1.19	0.21	1.81	75	1.386	Nosema	1	EVIGIEDOLKIK	12	ABO69725.1	unknown	0.9731
34	2008-03-05-05 1575 1575 2 out	867.5	0.564	0.27	1.79	92	2.303	IV6	1	KKLHDVK	7	NP_149570.1	287R	0.9909
2	2008-03-05-05 1130 1130 2 out	718.4	0.743	0.13	1.78	162	0.693	IV6	1	QTINDK	6	NP_149843.1	380R	0.9905
22	2008-03-05-05 2320 2320 2 out	807.5	1.636	0.1	1.78	167	0	Nosema	1	FMLAGLR	7	AAU11091.1	class-II photolyase	0.9968
81	2008-03-05-05 3786 3786 2 out	1236.7	0.779	0.13	1.77	208	0	IV6	1	IFVFKNIIDK	10	NP_149561.1	098R	0.9522
88	2008-03-05-05 2859 2859 2 out	1310.7	1.35	0.37	1.77	98	1.946	IV6	1	LDLISPTSHK	12	NP_149695.1	232R	0.9818
25	2008-03-05-05 486 486 2 out	818.4	0.338	0.14	1.73	411	1.386	Nosema	1	EDENGVR	7	ABY4979.1	hypothetical spore wall protein 13	0.9638
83	2008-03-05-05 2732 2732 2 out	1268.6	0.755	0.32	1.73	262	0.693	gr	1	SDGDICYRLVK	11	YP_654664.1	hypothetical protein MIV092R	0.9725
20	2008-03-05-05 2604 2604 1 out	795.5	1.02	0.31	1.72	263	0	Nosema	1	NIPRAPK	7	AAC47660.1	mitochondrial-type HSP70	1
7	2008-03-05-05 456 456 2 out	729.5	0.012	0.17	1.71	358	0.693	IV6	1	KSPAACK	7	NP_149872.1	411L	0.9901
12	2008-03-05-05 2554 2554 2 out	745.5	0.326	0.2	1.71	525	1.386	IV6	1	EKKVINK	6	NP_149585.1	122R	0.95
24	2008-03-05-05 2536 2536 2 out	816.5	0.702	0.23	1.7	183	2.079	IV6	1	KDITVLK	7	NP_149618.1	155L	0.9783
15	2008-03-05-05 1450 1450 2 out	755.4	0.469	0.31	1.69	120	0.693	IV6	1	ECGPPPR	7	NP_149841.1	1378R	0.9571
45	2008-03-05-05 4804 4804 2 out	924.6	0.247	0.23	1.69	139	0	IV6	1	TPRIVPNK	8	NP_149758.1	295L	0.9944
60	2008-03-05-05 4195 4195 2 out	1030.6	0.424	0.23	1.69	154	0	Nosema	1	NSVDIILK	9	ABM26980.1	RNA polymerase II largest subunit	0.9557
85	2008-03-05-05 3853 3853 2 out	1288.7	0.644	0.25	1.69	129	0	IV6	1	NMKTIVIANRK	11	NP_149482.1	019R	0.9599
53	2008-03-05-05 4345 4345 2 out	979.6	0.56	0.22	1.68	105	0.693	IV6	1	KTYDIIVK	8	NP_149530.1	067R	0.9558
33	2008-03-05-05 1626 1626 2 out	866.5	0.436	0.2	1.67	98	1.386	IV6	1	KNTFKTK	7	NP_149813.1	350L	0.979
41	2008-03-05-05 1178 1178 2 out	915.5	0.266	0.29	1.67	158	0	Nosema	1	FHOEVLR	7	AAT72742.1	60S ribosomal protein L10a	0.9603
66	2008-03-05-05 4053 4053 2 out	1060.6	0.888	0.19	1.66	68	0.693	Nosema	1	IISRSSEIR	9	ABO69727.1	unknown	0.9845
32	2008-03-05-05 1354 1354 2 out	858.5	0.864	0.14	1.65	190	0	IV6	1	ELKDLK	7	NP_149920.1	457L	0.9642
71	2008-03-05-05 2713 2713 2 out	1142.6	0.609	0.29	1.65	118	1.099	IV6	1	ENVHTSTINK	10	NP_149930.1	467R	0.996
55	2008-03-05-05 2602 2602 2 out	989.5	0.064	0.26	1.63	408	0	IV6	1	DKKLNESR	8	NP_149639.1	176R	0.9954
62	2008-03-05-05 1695 1695 2 out	1042.5	1.132	0.2	1.63	177	0.693	SV	1	NLSSEYSSR	9	AAK16263.1	polyprotein	0.9722
13	2008-03-05-05 2106 2107 2 out	749.4	0.764	0.2	1.62	277	0	gr	1	FVQSR	6	YP_654617.1	hypothetical protein MIV045R	0.9523
47	2008-03-05-05 4153 4153 2 out	943.5	0.316	0.24	1.62	124	1.386	gr	1	NIPENTKK	8	YP_654646.1	hypothetical protein MIV074L	0.9532
107	2008-03-05-05 1208 1208 3 out	2030	1.488	0.35	1.62	217	0	IV6	1	YMYGGKTSTAYFVRETR	17	NP_149737.1	274L	1
43	2008-03-05-05 1482 1482 2 out	921.6	1.211	0.2	1.6	238	0	IV6	1	SLRSFAIK	8	NP_149767.1	304R	0.9767
70	2008-03-05-05 4244 4244 3 out	1135.5	0.737	0.43	1.6	125	0	BQCVBQCV	2	PDWDKPYSK	9	NP_620565.1	structural polyprotein	0.963
96	2008-03-05-05 2799 2799 2 out	1521.9	0.037	0.3	1.59	128	0	IV6	1	MKNKGFKVILMK	13	NP_149866.1	403L	0.9979
59	2008-03-05-05 1527 1527 2 out	1027.6	0.141	0.32	1.58	234	0	gr	1	PEIRDELK	8	YP_654659.1	hypothetical protein MIV087L	0.9957
49	2008-03-05-05 5824 5824 2 out	947.5	1.182	0.24	1.57	266	0	Nosema	1	LSKEDDIK	8	ABE26649.1	pol polyprotein	0.9547
57	2008-03-05-05 4420 4420 2 out	1001.5	0.445	0.3	1.57	290	1.386	Nosema	1	VTVDVGAQGR	10	ABE26655.1	pol polyprotein	0.9576
78	2008-03-05-05 4026 4026 2 out	1193.6	1.822	0.25	1.57	119	0.693	IV6	1	NQYVRDELK	9	NP_149770.1	307L	0.9535
38	2008-03-05-05 3274 3274 2 out	896.5	1.095	0.19	1.56	358	0	IV6	1	NFKVM*NK	8	NP_149902.1	439L	0.9917
97	2008-03-05-05 4436 4436 2 out	1545.9	0.457	0.27	1.56	138	0	IV6	1	QKDFHFKEILLK	12	NP_149493.1	030L	1
5	2008-03-05-05 789 789 2 out	724.4	0.436	0.22	1.55	359	0	IV6	1	KSQFSK	6	NP_149824.1	361L	0.9517
9	2008-03-05-05 2530 2530 2 out	732.4	0.499	0.16	1.55	400	0.693	Nosema Nosema Nosema Nosema	4	QLVGTGK	6	ABM26981.1	RNA polymerase II largest subunit	0.9593
63	2008-03-05-05 1510 1510 2 out	1042.6	0.992	0.32	1.55	285	0	SV SV SV	3	EAIGDILAK	10	NP_049374.1	polyprotein	1
52	2008-03-05-05 2545 2545 2 out	979.4	1.512	0.24	1.53	110	1.386	IV6	1	CPMEKEDK	8	NP_149552.1	089L	0.9875
61	2008-03-05-05 3170 3170 2 out	1039.6	1.688	0.21	1.53	304	0	SV SV	2	EIVIPDEPK	9	NP_049374.1	polyprotein	0.9954
4	2008-03-05-05 2211 2211 2 out	722.3	0.763	0.32	1.52	469	0	IV6	1	IGEM*EK	7	NP_149891.1	428L	0.9885
90	2008-03-05-05 3486 3486 2 out	1379.7	1.847	0.32	1.51	25	2.833	IV6	1	FDVPINSSLECR	12	NP_149548.1	085L	0.9967
46	2008-03-05-05 5155 5155 2 out	933.6	1.472	0.33	1.5	108	1.609	IV6	1	AVISFKR	8	NP_149672.1	209R	0.9944



Sl No	File Name	(M+H)	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12	+13	+14	+15	+16	+17	+18	+19	+20	+21	+22	+23	+24	+25	+26	+27	+28	+29	+30	+31	+32	+33	+34	+35	+36	+37	+38	+39	+40	+41	+42	+43	+44	+45	+46	+47	+48	+49	+50	+51	+52	+53	+54	+55	+56	+57	+58	+59	+60	+61	+62	+63	+64	+65	+66	+67	+68	+69	+70	+71	+72	+73	+74	+75	+76	+77	+78	+79	+80	+81	+82	+83	+84	+85	+86	+87	+88	+89	+90	+91	+92	+93	+94	+95	+96	+97	+98	+99	+100	+101	+102	+103	+104	+105	+106	+107	+108	+109	+110	+111	+112	+113	+114	+115	+116	+117	+118	+119	+120	+121	+122	+123	+124	+125	+126	+127	+128	+129	+130	+131	+132	+133	+134	+135	+136	+137	+138	+139	+140	+141	+142	+143	+144	+145	+146	+147	+148	+149	+150	+151	+152	+153	+154	+155	+156	+157	+158	+159	+160	+161	+162	+163	+164	+165	+166	+167	+168	+169	+170	+171	+172	+173	+174	+175	+176	+177	+178	+179	+180	+181	+182	+183	+184	+185	+186	+187	+188	+189	+190	+191	+192	+193	+194	+195	+196	+197	+198	+199	+200	+201	+202	+203	+204	+205	+206	+207	+208	+209	+210	+211	+212	+213	+214	+215	+216	+217	+218	+219	+220	+221	+222	+223	+224	+225	+226	+227	+228	+229	+230	+231	+232	+233	+234	+235	+236	+237	+238	+239	+240	+241	+242	+243	+244	+245	+246	+247	+248	+249	+250	+251	+252	+253	+254	+255	+256	+257	+258	+259	+260	+261	+262	+263	+264	+265	+266	+267	+268	+269	+270	+271	+272	+273	+274	+275	+276	+277	+278	+279	+280	+281	+282	+283	+284	+285	+286	+287	+288	+289	+290	+291	+292	+293	+294	+295	+296	+297	+298	+299	+300	+301	+302	+303	+304	+305	+306	+307	+308	+309	+310	+311	+312	+313	+314	+315	+316	+317	+318	+319	+320	+321	+322	+323	+324	+325	+326	+327	+328	+329	+330	+331	+332	+333	+334	+335	+336	+337	+338	+339	+340	+341	+342	+343	+344	+345	+346	+347	+348	+349	+350	+351	+352	+353	+354	+355	+356	+357	+358	+359	+360	+361	+362	+363	+364	+365	+366	+367	+368	+369	+370	+371	+372	+373	+374	+375	+376	+377	+378	+379	+380	+381	+382	+383	+384	+385	+386	+387	+388	+389	+390	+391	+392	+393	+394	+395	+396	+397	+398	+399	+400	+401	+402	+403	+404	+405	+406	+407	+408	+409	+410	+411	+412	+413	+414	+415	+416	+417	+418	+419	+420	+421	+422	+423	+424	+425	+426	+427	+428	+429	+430	+431	+432	+433	+434	+435	+436	+437	+438	+439	+440	+441	+442	+443	+444	+445	+446	+447	+448	+449	+450	+451	+452	+453	+454	+455	+456	+457	+458	+459	+460	+461	+462	+463	+464	+465	+466	+467	+468	+469	+470	+471	+472	+473	+474	+475	+476	+477	+478	+479	+480	+481	+482	+483	+484	+485	+486	+487	+488	+489	+490	+491	+492	+493	+494	+495	+496	+497	+498	+499	+500	+501	+502	+503	+504	+505	+506	+507	+508	+509	+510	+511	+512	+513	+514	+515	+516	+517	+518	+519	+520	+52
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## Test 88

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
98	2008-03-05-08 4024 4024 2 out	1614.9	0.636	0.26	2.42	609	0	ILV6	1	TLTTKVNINIEK	14	NP_149513	050L	0.989
6	2008-03-05-08 2775 2775 1 out	715.4	0.045	0.07	2.11	339	0	ILV6	1	INIMDK	6	NP_149495	032R	1
76	2008-03-05-08 3237 3237 2 out	1032.5	1.184	0.22	2.1	228	0.693	Nosema	1	LELGNPFSSR	9	ABE26648	1	0.9974
35	2008-03-05-08 812 812 2 out	802.5	0.705	0.21	2.08	299	0	ABPV ABPV ABPV	3	KAMALR	7	AAL05919	1	0.9514
86	2008-03-05-08 3997 3998 2 out	1205.7	0.783	0.36	2.07	213	0.693	ILV6	1	VDVSTQTKTVK	11	NP_149655	1	0.9847
28	2008-03-05-08 726 726 2 out	773.5	1.535	0.02	2.05	319	0	ILV6	1	KLDELK	6	NP_149695	1	0.9679
16	2008-03-05-08 2158 2158 2 out	743.5	1.585	0.14	2.04	369	0	ILV6	1	IQVKKIK	6	NP_149486	1	0.994
26	2008-03-05-08 980 980 2 out	759.5	1.411	0.12	2.02	257	0	ILV6	1	KNKEIK	6	NP_149864	1	0.9962
54	2008-03-05-08 2176 2176 2 out	867.5	1.606	0.16	2.297	1099	0	ILV6	1	KLHDVKK	7	NP_149750	1	0.9789
12	2008-03-05-08 670 670 2 out	729.5	0.566	0.16	1.99	169	0.693	ILV6	1	KSPAACK	7	NP_149872	1	0.9973
63	2008-03-05-08 938 938 2 out	938.5	1.456	0.19	1.95	451	0	ILV6	1	INHSILK	8	NP_149513	1	0.9833
52	2008-03-05-08 2992 2992 2 out	862.5	0.969	0.19	1.93	270	1.099	Nosema	1	KNKMTLK	7	ABO69713	1	0.9549
30	2008-03-05-08 1999 2000 2 out	778.4	1.413	0.1	1.92	136	1.609	Nosema	1	IMNLKTR	7	AAC47659	1	0.981
36	2008-03-05-08 2631 2631 2 out	807.5	1.728	0.1	1.92	316	0	Nosema	1	FMLAGLR	15	YP_308661	1	0.9951
97	2008-03-05-08 3280 3280 2 out	1608.8	1.22	0.45	1.9	184	0	KBV	1	WFADIVGGVAAIFGW	8	AAQ91616	1	0.9502
46	2008-03-05-08 3146 3146 2 out	828.5	1.019	0.11	1.87	365	0	Nosema	1	ELGGLLR	10	NP_149485	1	0.9678
81	2008-03-05-08 1612 1612 3 out	1142.7	1.756	0.39	1.87	936	0	ILV6	1	KDIAISKVL	14	NP_149624	1	0.9969
99	2008-03-05-08 3907 3907 2 out	1621.8	0.149	0.23	1.87	141	1.609	ILV6	1	FKGELRDNQMIVR	8	ABE26655	1	0.9972
68	2008-03-05-08 1015 1015 2 out	978.5	0.647	0.24	1.84	293	1.386	Nosema	1	KVSRFGER	8	NP_149639	1	0.9869
72	2008-03-05-08 2710 2710 2 out	989.5	0.187	0.22	1.83	414	1.099	ILV6	1	DKKLNESR	6	NP_149469	1	0.9949
13	2008-03-05-08 698 698 2 out	731.4	1.491	0.13	1.81	153	1.386	ILV6	1	VKDELK	6	NP_149705	1	0.9924
14	2008-03-05-08 992 992 2 out	731.5	1.415	0.08	1.81	227	0.693	ILV6	1	QTKVKV	6	NP_149832	1	0.9953
19	2008-03-05-08 949 949 2 out	746.4	0.867	0.13	1.81	249	1.099	ILV6	1	EDVKKK	10	NP_149813	1	0.9627
84	2008-03-05-08 2883 2883 2 out	1164.6	1.203	0.32	1.81	241	0	ILV6	1	KVKNQCESTK	6	ABE27264	1	0.9777
10	2008-03-05-08 1098 1098 2 out	725.3	0.357	0.17	1.8	100	2.708	Nosema	1	QFSOTQ	8	NP_149647	1	0.9974
20	2008-03-05-08 2662 2662 2 out	749.3	0.033	0.13	1.8	295	2.079	Nosema	1	DMNDVR	6	AAB62548	1	0.9646
60	2008-03-05-08 3255 3255 2 out	914.6	0.485	0.18	1.79	191	0	ILV6	1	LINDLAKK	9	NP_149856	1	0.9898
18	2008-03-05-08 664 664 2 out	744.5	0.626	0.1	1.78	494	0	Nosema	1	KLIENK	8	NP_149485	1	0.9827
71	2008-03-05-08 991 991 2 out	983.4	0.284	0.21	1.77	136	2.398	ILV6	1	DTMKTDK	12	NP_149688	1	0.9941
55	2008-03-05-08 3525 3525 2 out	880.4	0.643	0.19	1.76	135	1.792	ILV6	1	IDGVDSFK	8	NP_149748	1	0.9993
29	2008-03-05-08 1774 1774 2 out	777.4	1.388	0.1	1.74	367	0	ILV6	1	KSDNGEK	12	NP_149688	1	0.9982
53	2008-03-05-08 1502 1502 2 out	866.5	0.385	0.21	1.74	180	1.099	Nosema	1	FASFAPAR	7	NP_149548	1	0.9827
85	2008-03-05-08 4118 4118 2 out	1181.7	1.917	0.26	1.74	212	0	ILV6	1	AGDAIPQIIVK	9	YP_654600	1	0.9941
94	2008-03-05-08 4560 4560 3 out	1430.7	1.098	0.45	1.74	217	0.693	ILV6	1	NDYKSDLYIDGK	6	ABM26977	1	0.966
15	2008-03-05-08 2020 2020 2 out	732.4	0.46	0.14	1.73	236	1.386	Nosema	1	ENNDK	6	YP_654658	1	0.9856
40	2008-03-05-08 2846 2846 2 out	817.5	0.798	0.2	1.73	355	1.099	ILV6	1	LICEALR	8	NP_149731	1	0.9527
45	2008-03-05-08 622 622 2 out	826.5	0.93	0.16	1.73	171	1.386	ILV6	1	KILDIPK	7	NP_149585	1	0.9792
7	2008-03-05-08 1423 1423 2 out	717.4	0.647	0.14	1.71	197	1.099	ILV6	1	ITTVGAR	7	NP_149707	1	0.9983
47	2008-03-05-08 2800 2800 2 out	830.5	0.406	0.22	1.71	203	2.079	g	1	GGQLAGVTK	7	NP_149548	1	0.9827
1	2008-03-05-08 3333 3333 2 out	700.5	0.536	0.46	1.7	281	0	Nosema	1	VXDIK	9	YP_654600	1	0.9941
3	2008-03-05-08 1243 1243 2 out	703.4	0.641	0.15	1.7	298	0	g	1	ENVTK	6	ABM26977	1	0.966
31	2008-03-05-08 1668 1668 2 out	780.4	0.854	0.21	1.7	338	1.609	ILV6	1	PFQMGGK	6	YP_654658	1	0.9856
48	2008-03-05-08 1087 1087 2 out	832.5	0.495	0.14	1.7	266	0	DWV DWV DWV Kakugo	4	QIRM*LR	8	NP_149731	1	0.9527
64	2008-03-05-08 4142 4142 2 out	942.6	0.86	0.29	1.7	199	0	ILV6	1	LVKNDILK	7	NP_853560	2	0.9512
70	2008-03-05-08 1687 1687 2 out	980.6	0.343	0.2	1.7	309	0	ILV6	1	SPNISIPPR	8	NP_149527	1	0.9641
62	2008-03-05-08 1278 1278 2 out	921.6	1.106	0.41	1.69	247	0	ILV6	1	SLRSFAIK	9	NP_149910	1	0.447L
100	2008-03-05-08 3993 3994 2 out	1763.1	0.32	0.29	1.69	463	0	Nosema	1	RMFVLAVIVFLTK	8	NP_149761	1	0.304R
57	2008-03-05-08 2001 2001 2 out	892.5	0.54	0.19	1.67	262	0	ILV6	1	ETGVGLFK	15	AAL28057	1	AF406785
25	2008-03-05-08 2398 2398 2 out	759.4	0.536	0.31	1.66	243	0.693	Nosema	1	LAVNM*VP	8	NP_149770	1	0.307L
61	2008-03-05-08 1110 1110 2 out	921.5	1.355	0.17	1.65	209	0	g	1	SSLMQDLK	8	NP_149770	1	0.307L
73	2008-03-05-08 3960 3960 2 out	1008.6	0.9	0.34	1.63	127	0.693	Nosema	1	SLSPNLIK	8	NP_149770	1	0.307L
67	2008-03-05-08 2082 2082 2 out	949.5	0.977	0.22	1.6	171	0	ILV6	1	ELM*DALK	8	NP_149770	1	0.307L
38	2008-03-05-08 1316 1316 2 out	812.4	0.493	0.22	1.58	212	0.693	Nosema	1	KYMENK	6	NP_149770	1	0.307L
17	2008-03-05-08 1143 1143 2 out	744.4	0.847	0.25	1.57	199	1.099	ILV6	1	QALWAR	6	NP_149770	1	0.307L
87	2008-03-05-08 6068 6068 2 out	1208.6	0.861	0.3	1.57	119	1.386	Nosema	1	DPFPEIDM*TK	11	ABV48892	1	hypothetical spore wall protein
24	2008-03-05-08 1653 1653 2 out	756.4	0.509	0.18	1.55	209	0.693	Nosema	1	FEAYVK	6	AAL28053	1	AF406785
32	2008-03-05-08 1314 1314 2 out	784.5	0.443	0.21	1.55	166	1.099	VDV VDV1	2	QVRLR	6	YP_145791	1	polyprotein
93	2008-03-05-08 2868 2868 2 out	1383.7	0.098	0.22	1.54	106	0.693	Nosema	1	ENMAGKRSFDK	12	ABE26650	1	polyprotein
43	2008-03-05-08 2701 2701 2 out	820.5	0.212	0.23	1.53	346	0	g	1	RAVTM*VK	8	YP_654627	1	hypothetical protein MIV055R
78	2008-03-05-08 4695 4695 2 out	1055.6	1.804	0.42	1.52	208	0.693	Nosema	1	LVKEPNLSR	9	AAT72743	1	translation elongation factor 2
96	2008-03-05-08 3871 3871 2 out	1516.8	0.693	0.37	1.52	120	0	ABPV ABPV ABPV	3	NNPNKM*TPVKEK	14	AAL05919	1	capsid polyprotein

## Test 89

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
8	2008-03-05-09 2302 2302 2 out	892.5	0.654	0.48	2.15	442	0	ILV6	1	ETGVGLFK	8	NP_149770	1	307L	0.9713
17	2008-03-05-09 3938 3938 2 out	1143.6	1.727	0.53	2.15	213	0	Nosema Nosema	2	LAVNMVPPFR	10	AAN35161	1	beta-tubulin	0.9749
18	2008-03-05-09 3063 3063 3 out	1171.7	0.764	0.22	2.14	337	0	ILV6	1	EDKLPLSEIK	10	NP_149752	1	289L	0.9525
5	2008-03-05-09 2720 2720 2 out	807.5	1.682	0.2	2.07	276	0	Nosema	1	FMLAGLR	7	AAU11091	1	class-II photolyase	0.9771
29	2008-03-05-09 4027 4027 3 out	1528.8	1.352	0.28	1.93	169	0	ABPV ABPV ABPV	14	DNISPDLTQLDGIK	14	NP_066242	1	capsid protein	0.9583
19	2008-03-05-09 2998 2998 2 out	1197.8	0.136	0.38	1.83	213	0.693	ILV6	1	ESILILLRK	10	NP_149671	1	208L	0.9818
11	2008-03-05-09 2630 2630 2 out	976.4	0.684	0.23	1.82	460	0	Nosema	1	ENVENDEK	8	ABV48898	1	hypothetical spore wall protein	0.9775
24	2008-03-05-09 2366 2366 3 out	1234.7	0.98	0.5	1.82	258	0	g	1	AQHPKHKFK	10	YP_654658	1	hypothetical protein MIV086L	0.9893
10	2008-03-05-09 1927 1927 2 out	950.6	0.309	0.36	1.8	299	0	ILV6	1	KFASTIGVK	9	NP_149864	1	401R	0.9984
28	2008-03-05-09 1485 1485 3 out	1510.8	1.589	0.3	1.79	224	1.386	g	1	SIFVEWAQQGFAK	13	YP_654692	1	hypothetical protein MIV120R	0.9622
14	2008-03-05-09 3379 3379 2 out	1071.6	0.441	0.27	1.76	182	0	ILV6	1	GKVEIFHNK	9	NP_149917	1	454R	0.9941
30	2008-03-05-09 4160 4160 3 out	1538.7	0.13	0.5	1.71	288	0	Nosema	1	SM*GVVGTGSPGTM*AVR	18	AAT12294	1	beta transducin repeat containing protein-like	0.9999
4	2008-03-05-09 2332 2332 2 out	802.4	0.913	0.41	1.7	357	0	SV SV SV SV	4	TLQDLGR	7	NP_049374	1	polyprotein	0.9777
1	2008-03-05-09 3313 3313 2 out	700.5	0.715	0.27	1.69	367	0	Nosema	1	VXDIK	6	ABM26977	1	RNA polymerase II largest subunit	0.9975
21	2008-03-05-09 3476 3476 3 out	1214.7	1.124	0.29	1.69	300	0	g	1	IECRRTPIVK	10	YP_654658	1	hypothetical protein MIV086L	0.9933
2	2008-03-05-09 2728 2728 2 out	705.4	0.14	0.27	1.65	332	0	ILV6	1	DDLKSK	6	NP_149463	1	468L	0.9893
7	2008-03-05-09 2811 2811 2 out	836.5	0.683	0.34	1.65	398	0.693	Nosema	1	HIPKTK	7	ABE26648	1	pol polyprotein	0.9981
6	2008-03-05-09 1624 1624 2 out	820.4	0.227	0.32	1.61	304	0	KBV	1	QIDVSMQ	7	YP_308662	1	VP2	1
15	2008-03-05-09 2761 2761 3 out	1076.6	1.514	0.33	1.59	150	1.099	ILV6	1	KVNFHRY	8	NP_149494	1	031R	0.9941
23	2008-03-05-09 2008 2008 3 out	1231.7	1.16	0.4	1.58	284	0	g	1	LM*AGTTPRKK	12	YP_654588	1	hypothetical protein MIV016R	0.9933
9	2008-03-05-09 857 857 2 out	922.4	1.105	0.32	1.56	182	0	ILV6	1	DREMMK	7	NP_149469	1	006L	0.9827
31	2008-03-05-09 2763 2763 3 out	1552.7	1.029	0.3	1.56	220	0	Nosema Nosema	2	MPFGLCNAPATFOR	14	ABE26654	1	pol polyprotein	0.9712
3	2008-03-05-09 2775 2775 2 out	755.4	0.618	0.36	1.53	133	0.099	SV SV SV SV SV	5	LGFPHGK	7	NP_049374	1	polyprotein	0.9616
33	2008-03-05-09 4657 4657 3 out	1939.9	0.41	0.37	1.52	224	0	ILV6	1	STM*PGIPFETPVGYGSGAR	20	NP_149676	1	213R	0.9547



Sr No	File Name	(M+H)	*M	*Cn	XCon	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
65	2009-03-18-07 3996 3996 2 out	1790 9	1.483	0.61	3.52	784	0	Nosema	1	SYELPDGQGVKIGSER	16	AAB86863.1	actin	0.9815
55	2009-03-18-07 4065 4065 2 out	1614 9	0.591	0.38	2.7	792	0	iv6	1	TILTKVQNNIEK	14	NP 149513.1	050L	0.9714
52	2009-03-18-07 3280 3280 3 out	1559 8	1.427	0.52	2.5	653	0	iv6	1	M'DETQQLLYKFK	13	NP 149668.1	205R	0.9894
46	2009-03-18-07 3735 3735 2 out	1432 8	0.465	0.41	2.35	835	0	gi	1	AM*VLDLKELGSK	14	YP 654651.1	hypothetical protein MIV079L	0.9599
60	2009-03-18-07 4281 4281 3 out	1668	1.811	0.33	2.3	393	0	Nosema	1	KVQEVQIDILEK	14	ABE27269.1	unknown	0.9894
41	2009-03-18-07 3894 3894 2 out	1329 8	1.558	0.38	2.14	179	1.099	iv6	1	VEKGLSISQIMK	12	NP 149608.1	145L	0.9832
58	2009-03-18-07 4206 4207 2 out	1648 8	0.668	0.39	2.11	270	0	iv6	1	ETTNEEVNIDEIK	14	NP 149901.1	438L	0.9571
39	2009-03-18-07 4009 4009 2 out	1270 8	1.449	0.25	2.09	396	0	Nosema	1	NINTVKLEVLK	11	ABV48897.1	hypothetical spore wall protein	0.9964
51	2009-03-18-07 3809 3810 3 out	1536 8	0.587	0.3	2.02	286	0	iv6	1	SPKSM*TVQSIAPFK	15	NP 149829.1	366R	0.9915
22	2009-03-18-07 2839 2839 3 out	1118 6	1.799	0.31	2	589	0	ABPV	1	VDLCAEVKNK	10	NP 066241.1	replicase polyprotein	0.957
42	2009-03-18-07 3096 3096 2 out	1344 7	0.363	0.25	1.97	431	0	iv6	1	IENENNLEEK	11	NP 149776.1	313L	0.994
48	2009-03-18-07 1461 1461 3 out	1468 8	0.82	0.5	1.93	271	0	Nosema	1	KYELEGAPGHVIR	13	ABM26977.1	RNA polymerase II largest subunit	0.958
25	2009-03-18-07 3905 3905 2 out	1134 6	1.487	0.37	1.91	303	0	IAPV/IAPV	2	VQKNPSPGYK	10	YP 001040003.1	structural polyprotein	0.9864
63	2009-03-18-07 4072 4072 2 out	1765 9	1.615	0.35	1.91	516	0	iv6	1	TYTPAGM*DKWVPEVR	16	NP 149530.1	067R	0.9951
8	2009-03-18-07 2272 2272 2 out	892 5	0.513	0.23	1.9	284	0	iv6	1	ETVGVLFK	8	NP 149770.1	307L	0.9944
43	2009-03-18-07 3873 3873 2 out	1377 7	0.554	0.26	1.9	110	0	iv6	1	NENNNSVGRQIMK	12	NP 149530.1	067R	0.9834
61	2009-03-18-07 7109 7109 3 out	1750 9	0.425	0.46	1.88	181	1.099	IAPV/IAPV	2	VDLCAEVKNKVEFTK	15	YP 001040002.1	polymerase polyprotein	1
35	2009-03-18-07 2917 2917 2 out	1243 7	0.591	0.32	1.84	686	0	iv6	1	EELKIEELK	10	NP 149512.1	049L	0.9928
7	2009-03-18-07 3768 3768 2 out	880 5	1.623	0.42	1.83	280	0	iv6	1	NFVKMKNK	7	NP 149902.1	439L	0.9873
32	2009-03-18-07 3852 3852 2 out	1213 7	1.609	0.28	1.83	720	0	iv6	1	ELNQLDKIK	10	NP 149916.1	453L	0.9896
20	2009-03-18-07 4564 4564 3 out	1099 6	0.488	0.31	1.81	129	0.693	gi	1	QSSGGSPSPVKR	11	YP 654646.1	hypothetical protein MIV074L	0.9724
64	2009-03-18-07 3507 3507 3 out	1776 9	1.763	0.35	1.79	156	0	Nosema	1	MVCECCNNRQPVKK	15	AAD12605.1	RNA polymerase II largest subunit	0.9943
23	2009-03-18-07 2779 2779 3 out	1120 5	0.31	0.33	1.77	223	1.386	Nosema	1	IDEMGADIEK	10	ABE27267.1	unknown	0.9958
5	2009-03-18-07 7278 7278 2 out	762 4	0.304	0.37	1.75	158	2.197	Nosema Nosema Nosema	3	KLDMGAK	7	ABM26981.1	RNA polymerase II largest subunit	0.9946
37	2009-03-18-07 4593 4593 3 out	1255 7	0.34	0.4	1.75	142	1.099	Nosema	1	RFONSVAARK	10	ABV48899.1	hypothetical spore wall protein	0.9719
4	2009-03-18-07 2584 2584 2 out	759 4	0.441	0.29	1.73	203	0	Nosema	1	LAVNMVVP	8	AAB12038.1	beta-tubulin	0.9721
67	2009-03-18-07 4395 4395 2 out	1947 8	1.803	0.46	1.72	126	0	Nosema	1	NEQCGREM*EVLMSMK	17	ABV48900.1	hypothetical spore wall protein	0.9794
38	2009-03-18-07 3045 3046 2 out	1258 7	0.781	0.49	1.7	265	0	iv6	1	NKSPLLNESEK	11	NP 149523.1	060L	0.9779
69	2009-03-18-07 3651 3651 3 out	2599 6	1.429	0.36	1.68	132	0.693	iv6	1	MILLITVGLVLYFTAKRFK	22	NP 149820.1	357R	0.9839
31	2009-03-18-07 2391 2391 3 out	1207 7	1.53	0.43	1.66	378	0	ABPV	1	KIAGHVAGDAR	12	NP 066241.1	replicase polyprotein	0.9658
53	2009-03-18-07 1662 1662 3 out	1575 9	0.004	0.38	1.66	135	0.693	iv6	1	SLRSFAKNATVR	14	NP 149767.1	304R	0.9738
10	2009-03-18-07 4523 4523 2 out	954 4	1.036	0.44	1.65	185	1.099	Nosema	1	TDTSFEK	8	ABV48893.1	hypothetical spore wall protein	0.9659
33	2009-03-18-07 5260 5260 3 out	1228 6	1.957	0.4	1.65	208	0	Nosema	1	IYSLDFWER	9	ABV48891.1	spore wall protein	0.9999
3	2009-03-18-07 2668 2668 2 out	752 4	0.696	0.28	1.64	291	0	iv6	1	ISEYIK	6	NP 149722.1	259R	0.9877
18	2009-03-18-07 4417 4417 3 out	1080 6	0.399	0.33	1.64	201	1.099	Nosema	1	OKSYDQRR	8	ABV48899.1	hypothetical spore wall protein	0.9923
49	2009-03-18-07 3912 3912 2 out	1476 7	0.336	0.34	1.64	306	0	ABPV	1	NNSNM*ATPVKEK	14	NP 066242.1	capaid protein	0.9965
59	2009-03-18-07 3453 3453 3 out	1664 8	0.266	0.52	1.64	179	0	Nosema	1	M*VCECCNNRQPVK	15	AAD12605.1	RNA polymerase II largest subunit	0.9595
57	2009-03-18-07 4719 4719 2 out	1639 9	1.623	0.41	1.62	152	0	gi	1	MLYLVALQYADVK	14	YP 654660.1	hypothetical protein MIV088R	0.9874
13	2009-03-18-07 6106 6106 3 out	1054 6	1.536	0.31	1.6	340	0	iv6	1	OLKIYDFK	8	NP 149902.1	439L	0.9648
29	2009-03-18-07 2953 2953 2 out	1194 6	0.739	0.44	1.59	141	0	iv6	1	EAM*EEKSNK	11	NP 149485.1	022L	0.9942
62	2009-03-18-07 4002 4002 2 out	1763 1	1.237	0.41	1.57	385	0	Nosema	1	RMFLVAVILFLITK	15	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9865
17	2009-03-18-07 5400 5400 3 out	1077 5	0.89	0.43	1.55	118	1.609	ABPV	1	INSDELDSK	10	NP 066241.1	replicase polyprotein	0.9993
21	2009-03-18-07 2485 2485 3 out	1115 6	1.606	0.48	1.55	149	0	gi	1	LNLDLSGQIK	10	YP 654669.1	hypothetical protein MIV097L	0.9703
34	2009-03-18-07 1846 1846 3 out	1231 7	1.587	0.33	1.55	446	0	gi	1	LM*AGTTPRKK	12	YP 654588.1	hypothetical protein MIV016R	0.9789
24	2009-03-18-07 7234 7234 3 out	1127 6	1.493	0.37	1.51	321	0	Nosema	1	KAFYGTGLVK	10	ABL61510.1	beta-tubulin	0.9998
47	2009-03-18-07 4043 4043 2 out	1468 7	0.374	0.43	1.51	351	0	IAPV/IAPV	2	NAGIKMTMRDFGK	13	YP 001040002.1	polymerase polyprotein	0.9758
27	2009-03-18-07 5987 5987 3 out	1188 7	0.131	0.35	1.5	122	0.693	Nosema	1	VRYMEGKTLR	10	ABM26981.1	RNA polymerase II largest subunit	0.954
50	2009-03-18-07 4059 4060 2 out	1513	1.634	0.39	1.5	138	0	iv6	1	LILASLVLLFGK	14	NP 149676.1	213R	0.9666

Test 91														
Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
71	2009-03-18-08 4003 4003 2 out	1790 9	0.649	0.64	3.51	762	0	Nosema	1	SYELPDGQVIKIGSER	16	AAB86863.1	actin	0.9957
1	2009-03-18-08 3243 3243 2 out	700 5	0.14	0.28	2.16	369	0	Nosema	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	0.954
67	2009-03-18-08 4283 4284 2 out	1648 8	0.71	0.25	2.15	282	0.693	iv6	1	ETTNEEVNIDEIK	14	NP_149901.1	438L	0.9884
63	2009-03-18-08 4463 4463 3 out	1540 7	0.426	0.26	2.13	465	0	iv6	1	HMYESIESYLLR	12	NP_149540.1	077L	0.9749
29	2009-03-18-08 3327 3327 2 out	1071 6	0.501	0.24	2.12	459	0.693	iv6	1	VNIQNKDIK	9	NP_149674.1	211L	0.9665
41	2009-03-18-08 3846 3846 2 out	1213 7	1.567	0.25	2.12	696	0	iv6	1	ELNQILDKIK	10	NP_149916.1	453L	0.9907
52	2009-03-18-08 3113 3113 3 out	1344 7	0.32	0.22	2.1	421	0	iv6	1	IENENNLEEIK	11	NP_149776.1	313L	0.9747
65	2009-03-18-08 4297 4297 2 out	1614 9	0.542	0.3	2.04	669	0	iv6	1	TILTKVQNNIEK	14	NP_149513.1	050L	0.9863
54	2009-03-18-08 3941 3941 2 out	1362 8	0.522	0.23	2.03	232	0	iv6	1	PFFANLLSVLNL	12	NP_149508.1	045L	0.9844
57	2009-03-18-08 3963 3963 2 out	1384 8	1.776	0.25	2.03	422	0	iv6	1	VFGADVLLLEPII	13	NP_149910.1	447L	0.9606
8	2009-03-18-08 664 664 2 out	763 5	0.81	0.17	2	246	0	iv6	1	KFNKVK	6	NP_149758.1	295L	0.9601
66	2009-03-18-08 3780 3780 3 out	1630 8	1.576	0.33	1.98	355	0.693	iv6	1	IQENMLSESHNM*LR	14	NP_149463.1	468L	0.9843
6	2009-03-18-08 1009 1009 2 out	759 5	1.389	0.13	1.97	171	0	iv6	1	KNKKEK	6	NP_149864.1	401R	0.9575
22	2009-03-18-08 2148 2148 2 out	892 5	0.489	0.33	1.97	434	0	iv6	1	ETVGVLFK	8	NP_149770.1	307L	0.9832
25	2009-03-18-08 3377 3377 2 out	978 5	0.592	0.23	1.97	324	0.693	iv6	1	SMLKQMLK	8	NP_149751.1	288R	0.9891
48	2009-03-18-08 3967 3967 2 out	1268 8	1.603	0.45	1.97	447	0	iv6	1	IFIKFMKTK	10	NP_149718.1	255L	0.9953
20	2009-03-18-08 2564 2564 2 out	878 5	0.13	0.22	1.96	275	0.693	gi	1	KGGCKTIK	8	YP_654593.1	hypothetical protein MIV021L	0.9593
36	2009-03-18-08 1674 1674 2 out	1142 7	0.706	0.3	1.96	438	0	iv6	1	KDIAISKVLK	10	NP_149485.1	022L	0.9859
61	2009-03-18-08 3734 3734 2 out	1432 8	0.523	0.31	1.96	724	0	gi	1	AM*VLDLKELGSK	14	YP_654651.1	hypothetical protein MIV079L	0.9787
11	2009-03-18-08 7263 7263 2 out	775 4	1.516	0.34	1.91	470	0	Kakugo	1	VQISSNK	7	YP_015696.1	polyprotein	0.9928
10	2009-03-18-08 1866 1866 2 out	771 5	1.517	0.26	1.9	533	0	Nosema	1	RIEILK	6	ABE27266.1	unknown	0.9892
60	2009-03-18-08 4052 4052 2 out	1428 7	1.416	0.33	1.9	237	0	KBV	1	AAVRMTM*RDFSK	13	AAF21998.1	RNA polymerase	0.9941
27	2009-03-18-08 4589 4589 2 out	994 4	0.666	0.27	1.83	183	1.792	KBV KBV KBV	3	MMNEALM*R	9	YP_308663.1	VP3	0.9931
51	2009-03-18-08 3585 3585 2 out	1333 6	1.701	0.33	1.83	428	0	Nosema	1	EM*EYNESFR	11	ABE27264.1	unknown	0.9956
55	2009-03-18-08 3993 3993 2 out	1377 7	1.684	0.41	1.83	100	0	iv6	1	NENNSVGRQTMK	12	NP_149530.1	067R	0.9872
49	2009-03-18-08 4223 4223 2 out	1285 7	1.058	0.52	1.81	1279	0	iv6	1	EAQIKIEIGNR	11	NP_149612.1	149L	0.9827
23	2009-03-18-08 1403 1403 2 out	920 5	0.87	0.23	1.8	381	0	Nosema	1	MSEITIK	8	AAI72741.1	deoxyundine 5' triphosphate nucleotidehydrolase	0.9881
69	2009-03-18-08 4302 4302 2 out	1746 8	1.584	0.36	1.8	208	0	iv6	1	NCQGETKYSDFNR	14	NP_149500.1	037L	0.9851
72	2009-03-18-08 4121 4121 3 out	2627 3	0.954	0.42	1.78	313	0	Nosema	1	FSSGDNTKSYELPDGQVIKIGSER	24	AAB86863.1	actin	0.9752
15	2009-03-18-08 1226 1226 2 out	822 5	0.085	0.22	1.74	441	0	iv6	1	KLPSHLK	7	NP_149590.1	127L	0.9908
68	2009-03-18-08 3584 3584 2 out	1691	1.736	0.37	1.73	237	0	VDV1 VDV1	2	CKFVGVVWLQAIDIK	14	YP_145791.1	polyprotein	0.9639
19	2009-03-18-08 2275 2275 2 out	867 5	1.8	0.33	1.68	230	1.099	iv6	1	KLHDVKK	7	NP_149750.1	287R	0.978
30	2009-03-18-08 5868 5868 3 out	1076 5	1.919	0.39	1.63	156	0	iv6	1	TVIDGCGNGK	11	NP_149698.1	235L	0.9849
17	2009-03-18-08 1823 1823 2 out	859 5	0.433	0.28	1.59	147	0.693	Nosema	1	VILTDFNGK	8	ABE26655.1	pol polyprotein	0.9821
24	2009-03-18-08 3162 3162 2 out	930 5	0.483	0.42	1.58	297	0	iv6	1	EADILEK	8	NP_149624.1	161L	0.9934
50	2009-03-18-08 3489 3489 2 out	1285 8	1.264	0.41	1.57	364	0	Nosema	1	ACVAKLLVNNKK	12	BAC15534.1	elongation factor 1 alpha	0.9939
14	2009-03-18-08 2009 2009 2 out	812 4	1.806	0.47	1.55	193	0	Nosema	1	TIEM*MR	8	ABV48900.1	hypothetical spora wall protein	0.9973
26	2009-03-18-08 1729 1729 2 out	989 6	0.375	0.27	1.53	376	0	gi	1	TVRCLLER	8	YP_654695.1	hypothetical protein MIV123L	0.9854
38	2009-03-18-08 3381 3381 2 out	1154 5	0.463	0.28	1.53	369	0	Nosema	1	IMEDSKSSENK	10	AAQ91615.1	group II large subunit catalase	0.9721
47	2009-03-18-08 3025 3025 2 out	1258 7	0.518	0.37	1.53	296	0	iv6	1	NIKSPLLNESEK	11	NP_149523.1	060L	0.9954
13	2009-03-18-08 2484 2484 2 out	808 5	0.558	0.29	1.52	74	0.693	iv6	1	KIGYSIK	7	NP_149888.1	425R	0.9918
12	2009-03-18-08 1411 1411 2 out	784 5	0.452	0.29	1.51	197	0.693	VDV1 VDV1	2	QVRLLR	6	YP_145791.1	polyprotein	0.9688



Test 92

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
47	2009-03-18-09 2670 2670 2 out	1171 6	0.413	0.37	2.63	864	0	Nosema	1	HKGVVMVGMGQK	11	AAB86863 1	actin	0.9663
68	2009-03-18-09 4037 4037 2 out	1614 9	0.452	0.27	2.2	693	0	ilv6	1	TILTQVQINIEK	14	NP_149513 1	050L	0.9527
22	2009-03-18-09 2158 2158 2 out	892 5	0.599	0.32	2.11	356	0	ilv6	1	ETVGVLFK	8	NP_149770 1	307L	0.9606
59	2009-03-18-09 3493 3494 2 out	1485 9	0.601	0.39	2.07	591	0	Nosema	1	ISRLTFIPLNR	12	AAT12296 1	chromosome segregation protein	0.9721
8	2009-03-18-09 723 723 2 out	731 4	1.661	0.07	2.05	217	1.386	ilv6	1	VKDELK	6	NP_149469 1	006L	0.9786
55	2009-03-18-09 3962 3962 2 out	1364 8	0.125	0.32	2.02	456	0	ilv6	1	FVGADVVLLEPII	13	NP_149910 1	447L	0.9603
28	2009-03-18-09 1036 1036 2 out	938 5	1.144	0.22	1.99	379	0	ilv6	1	NINHSLK	8	NP_149513 1	050L	0.9737
24	2009-03-18-09 3278 3278 2 out	914 6	0.015	0.14	1.85	195	0.693	ilv6	1	LINDLAKK	8	NP_149647 1	184R	0.9685
50	2009-03-18-09 3863 3863 2 out	1213 7	1.509	0.22	1.85	867	0	ilv6	1	ELNQILDKIK	10	NP_149916 1	453L	0.9646
70	2009-03-18-09 4106 4106 2 out	1763 1	1.224	0.47	1.83	222	0	Nosema	1	RMFVLAVIVLFLITK	15	AAL28057 1	AF406785 6 calmodulin-dependent protein kinase	0.9708
71	2009-03-18-09 4447 4447 2 out	1773 1	0.524	0.45	1.83	358	0	Nosema	1	ILVGLEAKDNLLIHPK	16	BAF76326 1	heat shock protein 70	0.958
61	2009-03-18-09 4494 4494 2 out	1492 9	0.623	0.27	1.81	219	1.792	Nosema	1	VLDNRHLGSIKIK	13	BAF76326 1	heat shock protein 70	0.9777
65	2009-03-18-09 3255 3255 2 out	1557 9	1.382	0.39	1.8	85	0	gi	1	WKIISTIQDKVVVK	13	YP_654658 1	hypothetical protein MIV086L	0.9777
60	2009-03-18-09 4663 4663 2 out	1492 8	0.264	0.22	1.79	474	0	Nosema	1	AMKAMGLGTTITGLK	15	AAF91269 1	20S proteasome alpha 5 subunit	0.9748
30	2009-03-18-09 2736 2736 2 out	989 5	0.216	0.31	1.74	351	0	ilv6	1	DKKLNE SR	8	NP_149639 1	176R	0.9522
67	2009-03-18-09 1843 1843 3 out	1607 8	1.516	0.35	1.73	195	1.099	ilv6	1	NVLSM*WSQPSMRR	14	NP_149790 1	327R	0.9689
25	2009-03-18-09 918 918 2 out	915 5	1.439	0.17	1.7	212	0	ilv6	1	KAIKNADR	8	NP_149764 1	301L	0.9597
66	2009-03-18-09 3517 3517 2 out	1596 8	0.291	0.26	1.68	179	0	Nosema	1	EARFNEIKSEM*AR	14	BAC15534 1	elongation factor 1 alpha	0.9648
3	2009-03-18-09 1264 1264 2 out	712 5	0.381	0.28	1.67	261	0	Nosema Nosema	5	QPVIKK	6	ABM26981 1	RNA polymerase II largest subunit	0.9801
37	2009-03-18-09 7122 7122 3 out	1076 7	1.13	0.46	1.64	230	0	ilv6	1	KHNVRPVVVK	9	NP_149798 1	335L	1
18	2009-03-18-09 1415 1415 1 out	817 4	0.043	0.36	1.63	778	0	Nosema	1	NESNLLK	7	ABE27273 1	unknown	1
1	2009-03-18-09 7019 7019 2 out	700 5	0.557	0.25	1.61	165	0	Nosema	1	VXDIK	6	ABM26977 1	RNA polymerase II largest subunit	0.9549
11	2009-03-18-09 7473 7473 2 out	747 4	1.553	0.3	1.61	479	0	BQCV	1	AKESKQK	7	NP_620565 1	structural polyprotein	0.9601
31	2009-03-18-09 1766 1766 2 out	989 6	0.354	0.24	1.6	385	0	gi	1	TVCRLLR	8	YP_654695 1	hypothetical protein MIV123L	0.9552
40	2009-03-18-09 4070 4070 2 out	1122 5	0.618	0.39	1.6	150	0.693	ilv6	1	SLMGNCPSVVK	11	NP_149555 1	092R	0.9538
44	2009-03-18-09 1652 1652 2 out	1142 7	0.701	0.28	1.6	144	1.386	ilv6	1	KDIAISKVLR	10	NP_149485 1	022L	0.95
58	2009-03-18-09 2858 2858 2 out	1472 8	0.442	0.32	1.57	142	0	gi	1	FIPTATVVVVDP SK	14	YP_654681 1	hypothetical protein MIV109L	0.9602
32	2009-03-18-09 3408 3408 2 out	1040 5	1.623	0.38	1.56	298	0	ilv6	1	EM*M*KINDK	10	NP_149463 1	468L	0.9732
46	2009-03-18-09 3689 3689 2 out	1160 6	0.654	0.34	1.53	296	0	KBVjKBV	2	IVENALGESK	11	NP_851403 1	non-structural polyprotein	0.9798
56	2009-03-18-09 3501 3501 2 out	1400 7	1.386	0.26	1.52	157	0.693	ilv6	1	NQQRHWQFEK	10	NP_149726 1	263L	0.9559
34	2009-03-18-09 3348 3348 2 out	1048 5	0.476	0.31	1.51	138	1.099	VDV1	1	LDM*GTLNIR	10	ACF24764 1	polyprotein	0.9693
57	2009-03-18-09 4209 4209 2 out	1416 7	1.253	0.33	1.51	144	0.693	ilv6	1	LDTLVDQNEELK	12	NP_149675 1	212L	0.9701
20	2009-03-18-09 2239 2239 2 out	859 5	1.61	0.33	1.5	65	2.944	Nosema	1	IQAESIAK	8	AAT12295 1	phospholipase D	0.9577
39	2009-03-18-09 3333 3333 2 out	1113 6	0.779	0.31	1.5	462	0.693	Nosema	1	RQEAQRLGR	9	AAT12293 1	DNA repair helicase RAD25	0.9551
72	2009-03-18-09 3261 3261 3 out	1784 9	0.24	0.4	1.5	104	2.303	Nosema	1	IFENVMGFSGISDAK	17	AAF91269 1	20S proteasome alpha 5 subunit	0.9843



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No	File Name	(M+H)	M	+N	XCon	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP	
104	2009-03-18-10 3992 3992 2 out	1790.9	0.143	0.59	3.04	820	0	Nosama	1	SYELPDGQGVKIGSER	16	AA86863.1	actin	0.9968	
60	2009-03-18-10 2624 2624 3 out	1171.6	0.65	0.57	2.65	1399	0	Nosoma	1	HKGVMMVGMGQK	11	AA86863.1	actin	1	
27	2009-03-18-10 1599 1599 2 out	800.5	0.764	0.26	2.51	525	0	Nosoma	1	RIDAGR	7	AA86863.1	actin	0.9831	
95	2009-03-18-10 4413 4413 2 out	1579.9	1.552	0.49	2.31	667	0	IV6	1	FLREITGVLFKDR	13	NP_149770.1	307L	0.9639	
36	2009-03-18-10 2085 2085 2 out	892.5	0.536	0.13	2.17	259	0	IV6	1	ETVGVLFK	8	NP_149770.1	307L	0.9625	
90	2009-03-18-10 3827 3827 2 out	1514.8	0.52	0.13	2.07	425	0	Nosoma	1	EGARLDSVLDVVR	14	AA812038.1	beta-tubulin	0.9962	
96	2009-03-18-10 4295 4295 2 out	1614.9	0.321	0.34	2.06	393	0	IV6	1	TLTKVQHNIK	14	NP_149513.1	050L	0.9868	
62	2009-03-18-10 4012 4012 2 out	1205.7	0.915	0.31	2.04	273	0	693	IV6	1	VDVSTOTKTVK	11	NP_149555.1	192R	0.9744
97	2009-03-18-10 4298 4298 2 out	1648.8	0.479	0.41	2.02	444	0	IV6	1	ETTNVEVNIIDEIK	14	NP_149901.1	438L	0.9879	
20	2009-03-18-10 1069 1070 2 out	773.5	0.277	0.07	2	188	0	IV6	1	KLDLRL	6	NP_149595.1	232R	0.9924	
99	2009-03-18-10 4415 4415 2 out	1700	1.342	0.36	2	256	0	Nosoma	1	LNIEETQKKMIELK	14	ABE2727.1	unknown	0.9924	
7	2009-03-18-10 2220 2220 2 out	743.5	1.595	0.26	1.99	238	0	IV6	1	QVKKIK	6	NP_149486.1	023L	0.9931	
21	2009-03-18-10 1231 1231 2 out	774.4	0.262	0.11	1.97	351	0	IV6	1	ELKDNIR	6	NP_149851.1	388R	0.9978	
83	2009-03-18-10 3538 3538 2 out	1459.8	1.635	0.45	1.97	417	0	IV6	1	MPHYVVVKSPMR	13	NP_149567.1	104L	0.9963	
105	2009-03-18-10 4474 4474 2 out	1831.8	1.809	0.39	1.97	214	0	Nosoma	1	RMVYHSQDFEVAER	16	AAC17660.1	mitochondrial-type HSP70	0.9572	
5	2009-03-18-10 674 674 2 out	731.4	1.754	0.11	1.95	264	1	386	IV6	1	VKDELK	6	NP_149469.1	006L	0.9978
95	2009-03-18-10 3296 3296 2 out	1475.6	0.74	0.17	1.95	434	1	099	IV6	1	EMNITCSSLGYLIR	13	NP_149930.1	467R	0.9895
11	2009-03-18-10 310 310 2 out	761.4	0.237	0.14	1.94	346	0	IV6	1	ELQMK	6	NP_149723.1	260R	0.984	
54	2009-03-18-10 4651 4651 3 out	1070.7	1.485	0.36	1.93	175	1	099	IV6	1	LSQRNVK	5	NP_149548.1	085L	1
87	2009-03-18-10 4475 4475 2 out	1492.9	0.908	0.24	1.93	220	1	386	Nosoma	1	VLDNRHLGSSIKLK	13	BAF76326.1	heat shock protein 70	0.9779
94	2009-03-18-10 3263 3263 2 out	1557.9	1.422	0.44	1.93	188	0	693	IV6	1	KNVSTIDKVVVK	13	YP_654658.1	hypothetical protein MV086L	0.9947
30	2009-03-18-10 988 988 2 out	808.8	0.463	0.1	1.92	314	0	IV6	1	ELKDLK	7	NP_149920.1	457L	0.9942	
46	2009-03-18-10 2781 2781 2 out	989.9	0.073	0.33	1.91	452	0	IV6	1	OKKLNEGR	8	NP_149639.1	176R	0.9981	
26	2009-03-18-10 505 505 2 out	791.4	0.451	0.29	1.9	226	1	946	Nosoma	1	ESKDIAK	7	ABE2727.1	unknown	0.9713
45	2009-03-18-10 3170 3170 2 out	957.6	0.402	0.15	1.87	804	0	Nosoma	1	EINLEVLK	8	ABE2727.1	unknown	0.9966	
77	2009-03-18-10 3890 3890 2 out	1377.7	0.394	0.18	1.87	146	0	IV6	1	KMNVSQRTOMK	12	NP_149530.1	067R	0.9693	
28	2009-03-18-10 3095 3095 2 out	801.5	1.499	0.15	1.84	630	0	BCCV	1	LDLVLVK	7	NP_620564.1	nonstructural polyprotein	0.9533	
31	2009-03-18-10 3091 3091 2 out	860.5	0.139	0.14	1.84	208	0	IV6	1	KTELEK	7	NP_149914.1	451L	0.9917	
88	2009-03-18-10 4406 4406 2 out	1510.8	1.317	0.24	1.83	233	0	IV6	1	KTMNASRISDFK	13	NP_149923.1	460R	0.9935	
100	2009-03-18-10 858 858 3 out	1715.9	1.769	0.49	1.83	247	0	IV6	1	VENLVGNIQNGIR	15	NP_149586.1	123R	0.9888	
55	2009-03-18-10 3405 3405 2 out	1071.6	0.141	0.32	1.78	417	0	693	IV6	1	GKVEIFHNK	9	NP_149917.1	454R	0.9764
52	2009-03-18-10 2656 2656 2 out	1034.5	1.28	0.31	1.77	233	0	Nosoma	1	KMEEVVRAR	9	AAC17660.1	mitochondrial-type HSP70	0.9514	
92	2009-03-18-10 3601 3601 2 out	1533.8	0.566	0.22	1.77	347	0	693	IV6	1	PVYSTRDGAELVK	14	YP_654588.1	hypothetical protein MV016R	0.9952
9	2009-03-18-10 2071 2071 2 out	746.4	0.804	0.2	1.76	253	0	Nosoma	1	KSALCPK	7	AAT12292.1	hypothetical protein	0.968	
29	2009-03-18-10 1191 1191 2 out	802.5	0.482	0.17	1.76	257	0	Nosoma	1	KSLDLVK	7	AB069715.1	unknown	0.9935	
106	2009-03-18-10 4005 4005 2 out	1843	1.51	0.3	1.74	56	1	099	IV6	1	RSQFPELVGPTLENK	16	NP_149758.1	295L	0.9652
70	2009-03-18-10 4231 4231 2 out	1285.7	1.085	0.47	1.71	859	0	IV6	1	EADQKEKIGNR	11	NP_149612.1	143L	0.9972	
33	2009-03-18-10 2271 2271 2 out	867.5	1.163	0.23	1.7	286	0	693	IV6	1	KLMQVK	7	NP_149750.1	287R	0.9857
69	2009-03-18-10 4013 4013 2 out	1270.8	0.152	0.24	1.7	250	0	693	Nosoma	1	NIIVTAKVLK	11	ABV48897.1	hypothetical spore wall protein	0.9978
78	2009-03-18-10 3478 3478 2 out	1400.7	1.388	0.23	1.69	88	1	609	IV6	1	NOQRHWFQEK	10	NP_149726.1	263L	0.9898
38	2009-03-18-10 3227 3227 2 out	915.6	1.474	0.2	1.68	217	0	693	IV6	1	DLEGKIK	8	NP_149548.1	085L	0.995
101	2009-03-18-10 4184 4184 2 out	1746.8	0.637	0.31	1.67	256	0	IV6	1	NCDEKETIYSDFNR	14	NP_149500.1	037L	0.9901	
37	2009-03-18-10 1060 1060 2 out	901.5	0.501	0.27	1.66	141	2	303	Nosoma	1	ERDEUK	7	ABE26652.1	pol polyprotein	0.9764
56	2009-03-18-10 1828 1828 3 out	1075.6	0.07	0.35	1.66	112	2	079	Nosoma	1	KDKSNLNEK	9	ABV48896.1	hypothetical spore wall protein	0.9955
102	2009-03-18-10 4009 4009 2 out	1763.1	1.156	0.4	1.66	487	0	Nosoma	1	RMFVLAVLFLITK	15	AAL28057.1	AF-06785 6 calmodulin-dependent protein kinase	1	
12	2009-03-18-10 727 727 2 out	763.5	0.44	0.17	1.65	230	0	IV6	1	KFNKVK	6	NP_149758.1	295L	0.9976	
15	2009-03-18-10 1012 1012 2 out	768.4	0.84	0.2	1.65	74	1	099	Nosoma	1	EYTDK	6	AB069726.1	unknown	0.9952
76	2009-03-18-10 4352 4352 2 out	1374.7	1.456	0.29	1.65	71	0	693	Nosoma	1	QSSEERERLEIK	11	AAT12296.1	chromosome segregation protein	0.9974
14	2009-03-18-10 1491 1491 2 out	767.4	0.208	0.26	1.63	234	0	IV6	1	YTDQK	6	NP_149520.1	457L	0.9603	
44	2009-03-18-10 4300 4300 2 out	956.4	1.146	0.24	1.62	172	0	Nosoma	1	FEMDACK	8	AAD12605.1	RNA polymerase II largest subunit	0.9651	
2	2009-03-18-10 3320 3320 2 out	700.5	0.982	0.29	1.61	375	0	Nosoma	1	VIDIK	6	ABM26977.1	RNA polymerase II largest subunit	0.99	
57	2009-03-18-10 4036 4036 2 out	1122.5	0.638	0.26	1.61	157	0	IV6	1	SLMGKCPSSVK	11	NP_149555.1	092R	0.9895	
19	2009-03-18-10 1884 1884 2 out	771.5	1.424	0.29	1.6	539	1	099	Nosoma	1	RIELK	6	ABE2726.1	unknown	0.9969
41	2009-03-18-10 3323 3323 2 out	921.6	1.324	0.25	1.6	186	0	IV6	1	SLRSPAIK	8	NP_149767.1	304R	0.9639	
80	2009-03-18-10 3151 3151 2 out	1413.6	0.675	0.29	1.6	288	1	609	Nosoma	1	EVLQIKNELLSK	12	ABV48897.1	hypothetical spore wall protein	0.9945
10	2009-03-18-10 6670 6670 2 out	747.4	1.634	0.32	1.59	110	1	386	IV6	1	NEESR	6	NP_149642.1	179R	0.9731
73	2009-03-18-10 3070 3070 2 out	1323.5	1.312	0.24	1.59	107	0	Nosoma	1	EDDESEKNDK	11	ABV48893.1	hypothetical spore wall protein	0.9977	
32	2009-03-18-10 1101 1101 2 out	865.4	1.257	0.2	1.58	255	0	IV6	1	QEDAGFK	7	YP_654678.1	hypothetical protein MV106R	0.9975	
71	2009-03-18-10 3949 3949 2 out	1288.7	1.024	0.27	1.57	150	0	IV6	1	NMKTIVIANRK	11	NP_149482.1	019R	0.9972	
103	2009-03-18-10 3800 3800 2 out	1769.8	1.821	0.33	1.57	432	0	IV6	1	FEASEMYSWYKSNK	14	NP_149902.1	439L	0.9902	
24	2009-03-18-10 3447 3447 2 out	779.4	1.67	0.31	1.55	413	0	IV6	1	NSSLCKK	7	NP_149869.1	406R	0.9874	
74	2009-03-18-10 3994 3994 2 out	1327.8	1.598	0.26	1.55	377	1	099	IV6	1	LNLKIMNKIK	11	NP_149877.1	414L	0.9975
42	2009-03-18-10 826 826 2 out	922.4	0.493	0.28	1.54	224	0	IV6	1	DREMMIK	7	NP_149469.1	006L	0.9929	
98	2009-03-18-10 7103 7103 3 out	1696.9	1.396	0.61	1.54	219	0	ABPV	IV6	4	VANGIERIPVIGEMAK	16	NP_056242.1	capsid protein	0.9645
23	2009-03-18-10 4747 4747 2 out	777.4	0.329	0.23	1.52	201	0	IV6	1	VESSOK	7	NP_149795.1	332L	0.9924	
93	2009-03-18-10 3874 3874 2 out	1542.2	0.529	0.3	1.52	116	0	DVYVDVYVDVYVDVYVK	7	TDNEMSGNPFYR	14	NP_053560.2	polyprotein	0.9928	
39	2009-03-18-10 2804 2804 2 out	916.4	0.267	0.39	1.5	238	1	099	ABPV	IV6	8	BAIMPCVR	structural protein	1	
40	2009-03-18-10 1833 1833 2 out	921.5	0.582	0.29	1.5	311	1	099	IV6	1	NSFMPYVK	8	NP_149647.1	184R	0.99
86	2009-03-18-10 3910 3910 2 out	1476.7	0.616	0.33	1.5	217	0	ABPV	IV6	1	NNSNMKATPVKEK	14	NP_056242.1	capsid protein	0.9982



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Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
137	2009-03-18-11 3984 3984 2 out	1790.9	0.58	0.61	3.23	727	0	Nosama	1	SYELPDGQVVIKISER	16	AAB86863.1	actin	1
113	2009-03-18-11 3321 3321 2 out	1515.7	0.65	0.63	3.14	933	0	Nosama	1	IWHHTFYNELR	11	AAB86863.1	actin	0.9949
76	2009-03-18-11 2647 2647 2 out	1171.6	0.522	0.44	3.09	752	0	Nosama	1	HKGVMVGMGQK	11	AAB86863.1	actin	0.9551
125	2009-03-18-11 4323 4323 2 out	1614.9	1.57	0.46	2.62	736	0	ILV6	1	TLTTKVQNIIEK	14	NP_149513.1	050L	0.9831
15	2009-03-18-11 790 790 2 out	760.4	0.502	0	2.43	267	0	ILV6	1	ELKNEK	6	NP_149921.1	458R	0.9838
68	2009-03-18-11 3550 3550 2 out	1132.6	1.619	0.46	2.35	366	0	g	1	RGOMKNEGGR	10	YP_654692.1	hypothetical protein MIV120R	0.9721
123	2009-03-18-11 3349 3349 2 out	1592.8	0.499	0.33	2.22	249	1	386 ILV6	1	NYPTQDEMILLK	13	NP_149675.1	212L	0.9903
94	2009-03-18-11 3051 3051 2 out	1334.6	0.837	0.12	2.15	423	0	693 ILV6	1	VM'DIONENIDK	12	NP_149698.1	235L	0.9763
93	2009-03-18-11 3781 3781 2 out	1320.7	1.579	0.36	2.14	238	1	099 ILV6	1	VQFNDTLNKKK	11	NP_149852.1	389L	0.9627
110	2009-03-18-11 4269 4269 2 out	1498.8	0.665	0.23	2.11	653	0	ILV6	1	EIFICYREGIKK	12	NP_149500.1	037L	0.9706
22	2009-03-18-11 1327 1327 2 out	774.4	0.738	0.08	2.06	337	0	ILV6	1	ELKDNR	6	NP_149851.1	388R	0.9607
12	2009-03-18-11 1441 1441 2 out	744.5	0.644	0.08	2.03	496	0	Nosama	1	KLIENK	6	AAB62548.1	glutamyl-tRNA synthetase	0.976
39	2009-03-18-11 2313 2313 2 out	859.5	1.256	0.09	2.03	307	0	693 ILV6	1	QLKITEK	7	NP_149821.1	358L	0.9706
42	2009-03-18-11 2036 2036 2 out	892.5	0.741	0.26	2.02	437	0	ILV6	1	ETGVGLFK	8	NP_149770.1	307L	0.9978
128	2009-03-18-11 4275 4275 2 out	1648.8	0.812	0.29	2	456	0	693 ILV6	1	ETTNEEVNIDEIK	14	NP_149901.1	438L	0.9855
28	2009-03-18-11 3031 3031 2 out	801.5	0.671	0.23	1.97	606	0	BQCV	1	DLDLVVK	7	NP_620564.1	nonstructural polyprotein	0.9646
82	2009-03-18-11 3736 3736 2 out	1213.7	1.845	0.17	1.96	271	0	ILV6	1	ELNLENIKK	10	NP_149748.1	285L	0.9593
30	2009-03-18-11 503 503 2 out	814.4	0.649	0.27	1.93	462	0	ILV6	1	ENFYNNK	6	NP_149750.1	287R	0.9528
61	2009-03-18-11 3374 3374 2 out	1071.6	0.56	0.27	1.93	518	0	ILV6	1	GKVEIFHNK	9	NP_149917.1	454R	1
88	2009-03-18-11 4270 4270 2 out	1285.7	0.311	0.39	1.91	1158	0	ILV6	1	EAQKEKIGNR	11	NP_149612.1	149L	0.9938
26	2009-03-18-11 1045 1045 2 out	792.5	0.043	0.16	1.9	546	1	099 Nosama	1	EFKLKK	6	AAS16360.1	translation elongation factor 1 alpha	0.9869
38	2009-03-18-11 2660 2660 2 out	857.6	1.675	0.31	1.9	100	2	773 ILV6	1	KTVIKR	7	NP_149733.1	270R	0.9892
106	2009-03-18-11 3499 3499 2 out	1459.8	1.497	0.34	1.9	437	0	ILV6	1	M'PHYVVKSPMR	13	NP_149567.1	104L	0.9523
126	2009-03-18-11 4191 4191 2 out	1627.9	1.698	0.24	1.9	198	0	ILV6	1	EEWNLNVFKHK	13	NP_149804.1	341R	0.9748
32	2009-03-18-11 531 531 2 out	816.5	0.353	0.24	1.89	297	2	303 DWVIDWV/DWV/Kakugo	4	QIRMLR	6	NP_653560.2	polyprotein	0.9713
65	2009-03-18-11 4018 4018 2 out	1102.7	0.518	0.5	1.88	456	0	Nosama	1	PLKSILYR	9	ABO69724.1	unknown	0.9722
41	2009-03-18-11 3672 3672 2 out	880.5	1.591	0.42	1.87	281	0	693 ILV6	1	NFVKMNK	7	NP_149902.1	439L	0.9887
55	2009-03-18-11 2790 2790 2 out	989.5	0.001	0.34	1.87	346	0	693 ILV6	1	DKKLNESR	8	NP_149639.1	176R	0.985
100	2009-03-18-11 3877 3877 2 out	1377.7	1.739	0.35	1.87	105	0	ILV6	1	NENNSVGRTQMK	12	NP_149530.1	067R	0.9941
84	2009-03-18-11 3633 3633 2 out	1243.7	0.477	0.2	1.85	192	1	386 ILV6	1	LNQSMLLAIK	11	NP_149883.1	420R	0.9821
105	2009-03-18-11 3919 3919 2 out	1458.7	1.595	0.36	1.85	277	0	g	1	VSTINTEQLNQPK	13	YP_654647.1	hypothetical protein MIV075R	0.9918
127	2009-03-18-11 3339 3339 2 out	1631.8	0.604	0.28	1.85	157	1	099 ILV6	1	IDADLOGNGM'VEIK	16	NP_149618.1	155L	0.9855
111	2009-03-18-11 3301 3301 2 out	1510.8	1.742	0.39	1.84	106	1	099 ILV6	1	LKTMNASRISFDK	13	NP_149923.1	460R	0.9867
52	2009-03-18-11 1947 1947 2 out	958.6	0.503	0.2	1.83	409	0	Nosama	1	EATRLKK	8	BAF76326.1	heat shock protein 70	0.9861
138	2009-03-18-11 4430 4430 2 out	1947.8	1.832	0.51	1.83	152	0	Nosama	1	FNEQCGREM'EVLMSMK	17	ABV48900.1	hypothetical spora wall protein	0.9959
109	2009-03-18-11 3464 3464 2 out	1485.9	0.33	0.42	1.82	509	0	Nosama	1	ISRRITFPLNR	12	AAT12296.1	chromosome segregation protein	0.991
44	2009-03-18-11 3487 3487 2 out	911.5	1.667	0.19	1.81	241	0	ILV6	1	ILDIFYLK	7	NP_149648.1	185L	0.9968
56	2009-03-18-11 1655 1655 2 out	989.6	0.016	0.17	1.8	628	0	g	1	TVCRLLER	8	YP_654695.1	hypothetical protein MIV123L	0.9811
90	2009-03-18-11 3190 3190 2 out	1296.7	1.09	0.16	1.8	246	0	Nosama	1	EEMLFCKRLK	10	ABE27267.1	unknown	0.986
108	2009-03-18-11 2635 2635 2 out	1475.7	0.568	0.47	1.8	98	0	Nosama	1	AAELASENDTVR	13	ABE26555.1	pol polyprotein	0.9937
122	2009-03-18-11 4317 4317 2 out	1589.9	0.767	0.22	1.8	172	0	693 g	1	IGETKFGELNPTR	14	YP_654697.1	hypothetical protein MIV125R	0.9921
36	2009-03-18-11 949 949 2 out	841.4	0.831	0.37	1.79	140	0	Nosama Nosama Nosama No	5	QNADEHK	7	AAZ23550.1	alpha-tubulin	0.9761
21	2009-03-18-11 1437 1437 2 out	773.5	1.659	0.18	1.75	331	0	693 ILV6	1	IQKVTGK	7	NP_149859.1	396L	0.9533
135	2009-03-18-11 3530 3530 2 out	1760	0.518	0.19	1.75	354	0	g	1	DSVQSLKQLDELKR	15	YP_654621.1	hypothetical protein MIV049R	0.9821
25	2009-03-18-11 1062 1062 2 out	784.5	0.31	0.22	1.74	240	0	VDV1/VDV1	2	QVRLLR	6	YP_145791.1	polyprotein	0.9814
14	2009-03-18-11 2433 2433 2 out	759.4	0.146	0.15	1.73	325	0	Nosama	1	LAVNM'VP	8	AAB12038.1	beta-tubulin	0.9868
20	2009-03-18-11 1955 1955 2 out	772.5	1.588	0.24	1.73	212	1	386 Nosama	1	KAPTDIK	7	ABE26648.1	pol polyprotein	0.9966
33	2009-03-18-11 1210 1210 2 out	822.5	0.309	0.16	1.73	521	0	ILV6	1	KLPISHLK	7	NP_149590.1	127L	0.9947
50	2009-03-18-11 1180 1180 2 out	946.5	1.006	0.28	1.73	139	1	792 ILV6	1	RNDSTLK	8	NP_149758.1	295L	0.9748
130	2009-03-18-11 4305 4305 2 out	1712.7	0.637	0.24	1.73	121	1	946 ILV6	1	ENDETEYDEQSIK	14	NP_149642.1	179R	0.9934
98	2009-03-18-11 3602 3602 2 out	1370.8	0.88	0.22	1.72	397	0	Nosama	1	NAFGEHKITLK	12	ABE26649.1	pol polyprotein	0.9896
63	2009-03-18-11 2996 2996 2 out	1085.6	1.686	0.21	1.7	189	0	ILV6	1	ELNLENIK	9	NP_149748.1	285L	0.9901
120	2009-03-18-11 4009 4009 2 out	1560.9	1.248	0.31	1.69	312	0	ILV6	1	QYQIDKLEGLK	13	NP_149716.1	253L	0.9965
103	2009-03-18-11 5434 5434 3 out	1402.8	0.95	0.41	1.68	353	0	Nosama	1	AHIKHDLRLGR	12	ABE26653.1	pol polyprotein	1
4	2009-03-18-11 1286 1286 2 out	712.5	0.345	0.22	1.67	147	1	946 Nosama Nosama Nosama No	5	QPVKK	6	ABM26977.1	RNA polymerase II largest subunit	0.9956
8	2009-03-18-11 1130 1130 2 out	725.3	0.593	0.13	1.67	281	0	Nosama	1	QFSDTQ	6	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9849
48	2009-03-18-11 1056 1056 2 out	840.6	1.888	0.3	1.67	356	0	ILV6	1	RWQPLK	7	NP_149778.1	315L	0.9881
102	2009-03-18-11 3685 3685 2 out	1392.8	0.431	0.21	1.67	637	0	Nosama	1	SLM'KAWMLDK	13	ABV48894.1	hypothetical spora wall protein	0.9955
3	2009-03-18-11 2360 2360 2 out	704.4	0.644	0.22	1.66	334	0	ILV6	1	QVQNTK	6	NP_149618.1	155L	0.9535
53	2009-03-18-11 2130 2130 2 out	979.5	0.537	0.22	1.66	344	0	693 ILV6	1	M'SLEEKVK	9	NP_149578.1	115R	0.9655
72	2009-03-18-11 3070 3070 2 out	1140.7	0.423	0.22	1.66	456	0	Nosama	1	LLDVLEAKLK	10	ABE26648.1	pol polyprotein	0.9813
136	2009-03-18-11 4072 4072 2 out	1763.1	0.232	0.4	1.66	288	0	Nosama	1	RMFVLAVLVLFITK	15	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9922
80	2009-03-18-11 4252 4252 2 out	1199.7	0.344	0.39	1.65	568	0	ILV6	1	AQDRNAKKALK	11	NP_149701.1	238R	1
49	2009-03-18-11 2844 2844 2 out	943.5	0.967	0.36	1.64	293	0	ILV6	1	ILDDNLK	8	NP_149769.1	306R	0.9864
62	2009-03-18-11 3682 3682 2 out	1081.5	0.542	0.38	1.64	185	1	099 DWV/DWV/DWV/DWV/Kaku	5	LFWCQKEK	8	NP_853560.2	polyprotein	0.9924
2	2009-03-18-11 3354 3354 2 out	700.5	0.389	0.25	1.63	382	0	Nosama	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	0.9779
23	2009-03-18-11 6675 6675 2 out	775.5	1.374	0.24	1.63	212	0	693 ILV6	1	EVSLSLK	7	NP_149765.1	302L	0.9929
29	2009-03-18-11 1488 1488 2 out	812.4	0.413	0.18	1.63	285	0	Nosama	1	KYMEK	6	ABE27277.1	unknown	0.9658
85	2009-03-18-11 2907 2907 2 out	1264.8	1.137	0.23	1.63	242	0	g	1	FLKFCILPK	10	YP_654588.1	hypothetical protein MIV016R	0.9897
10	2009-03-18-11 2463 2463 2 out	739.4	0.026	0.23	1.62	324	1	099 ILV6	1	KLHDVK	6	NP_149750.1	287R	0.9889
78	2009-03-18-11 3687 3687 2 out	1175.7	1.347	0.25	1.62	232	0	ILV6	1	QWTRLEKSK	9	NP_149778.1	315L	0.9521
89	2009-03-18-11 3465 3465 2 out	1285.8	1.461	0.44	1.62	321	0	Nosama	1	ACVAKLVVYKK	12	BAC15534.1	elongation factor 1 alpha	0.9852
96	2009-03-18-11 4770 4770 3 out	1340.7	1.348	0.36	1.62	298	0	ILV6	1	VDSEMAFERIK	12	NP_149606.1	143R	0.9792
107	2009-03-18-11 4123 4123 2 out	1468.7	0.403	0.31	1.62	368	0	IAPV/IAPV	2	NAGKMTMRDFGK	13	YP_001040002.1	polymerase polyprotein	0.9646
114	2009-03-18-11 4042 4042 2 out	1516.8	0.464	0.39	1.61	188	0	ILV6	1	IHCLPFLNLYR	12	NP_149487.1	024L	0.9744
121	2009-03-18-11 4406 4406 2 out	1579.9	0.466	0.26										







Seq No.	File Name	(M+H)	MA	*Cn	XCorr	Sp	RSp	Reference	Nc	Peptide	AA	Cw	Protein	PP	
58	2009-03-18-13.3965.3965.2	out	1790.9	0.384	0.65	3.18	725	0	Nosema	1	SYELPDGQVKGISER	16	AAB98663.1	actin	0.9752
59	2009-03-18-13.3349.3349.2	out	1592.8	1.501	0.25	2.36	255	1.099	IFV6	1	NYPTDQGVKMLLK	14	NP_149675.1	212L	0.9659
52	2009-03-18-13.4092.4092.2	out	1614.9	0.613	0.31	3.32	627	0	IFV6	1	TLTLYQVQHNEIK	14	NP_149513.1	050L	0.9788
23	2009-03-18-13.1187.1187.2	out	1070.6	1.514	0.44	2.31	597	0	IFV6	1	LLWDMPLK	8	NP_149515.1	052R	0.9886
36	2009-03-18-13.3977.3978.2	out	1205.7	0.546	0.38	2.25	271	0	IFV6	1	LVDSVTQITVK	11	NP_149655.1	192R	0.9977
54	2009-03-18-13.1443.1443.2	out	1668	1.425	0.46	2.18	460	0	Nosema	1	IKVQEVQIDLEK	14	ABE27269.1	unknown	0.9538
42	2009-03-18-13.762.762.2	out	1320.7	1.61	0.28	2.09	226	1.099	IFV6	1	VTFHDTLLQNK	11	NP_149852.1	389L	0.9901
1	2009-03-18-13.2489.2489.2	out	892.5	0.658	0.28	2.08	340	0	IFV6	1	ETGVGLVFK	8	NP_149772.1	307L	0.9866
41	2009-03-18-13.4086.4086.2	out	1268.6	1.604	0.4	2.07	446	0.693	IFV6	1	DKMGQVDEK	10	NP_149676.1	213R	0.9925
53	2009-03-18-13.4175.4176.2	out	1648.8	0.795	0.39	2.07	205	1.099	IFV6	1	ETTHEEYVIDEIK	14	NP_149901.1	438L	0.9956
5	2009-03-18-13.2049.2049.2	out	763.5	1.329	0.21	2.05	509	0	IFV6	1	IKFNKIK	6	NP_149758.1	295L	0.9863
62	2009-03-18-13.4002.4002.3	out	2667.3	1.232	0.41	8.89	176	0	IFV6	1	MEHNAEVSSTLDFHFLRENK	23	NP_149750.1	287R	0.9952
16	2009-03-18-13.1170.1170.2	out	940.6	1.961	0.28	1.88	219	0	IFV6	1	RWMLPK	7	NP_149778.1	315L	0.9764
48	2009-03-18-13.4445.4445.2	out	1492.9	0.544	0.3	1.98	274	0.693	Nosema	13	BAFNRHLGSKLK	13	BAF76326.1	heat shock protein 70	0.9849
3	2009-03-18-13.1126.1126.2	out	816.5	0.437	0.26	1.85	246	0	OWYDWWYDWWYKakago	4	QIRMLR	6	NP_853560.2	polyprotein	0.9522
3	2009-03-18-13.2427.2427.2	out	747.4	1.659	0.26	1.81	398	0.693	IFV6	1	LNLEESR	6	NP_149642.1	179R	0.9889
44	2009-03-18-13.3873.3873.2	out	1387.7	0.803	0.3	1.81	197	0.693	IFV6	1	MSGGYTSLESSIR	13	NP_149878.1	415R	0.9931
59	2009-03-18-13.3479.3479.3	out	1824.8	1.622	0.45	1.79	206	0.693	IFV6	1	IFLDGYCYCHKDEE	15	NP_149704.1	241L	0.9622
29	2009-03-18-13.4906.4906.3	out	1129.6	0.273	0.37	1.78	202	0.693	IFV6	1	MTTSRGHLRR	10	NP_149703.1	240R	0.9932
30	2009-03-18-13.1700.1700.3	out	1142.7	1.115	0.32	1.78	562	0	IFV6	1	KDIAISKVL	10	NP_149485.1	022L	0.9898
1	2009-03-18-13.3293.3293.2	out	700.5	0.339	0.25	1.77	357	0	Nosema	1	VLDIK	6	ABM26977.1	RFA polymerase II largest subunit	0.9946
19	2009-03-18-13.2971.2971.2	out	1016.5	1.554	0.33	1.75	251	0	IFV6	1	FMKNVFDK	8	NP_149843.1	380R	0.9799
27	2009-03-18-13.3985.3985.2	out	1102.7	0.591	0.46	1.75	435	0	Nosema	1	PLKSILYR	9	ABO69724.1	unknown	0.9833
21	2009-03-18-13.3385.3385.2	out	1040.5	1.625	0.36	1.73	210	0	IFV6	1	EMM*MKNDK	10	NP_149463.1	468L	0.9921
17	2009-03-18-13.1419.1419.2	out	978.5	0.122	0.26	1.72	317	0	Nosema	1	KVSGFGER	8	ABE26655.1	pol polyprotein	0.9668
26	2009-03-18-13.4263.4263.2	out	1102.5	0.598	0.39	1.72	267	0	g	1	LYQVGEAPGSTR	11	QV654576.1	hypothetical protein MIV004R	0.9954
6	2009-03-18-13.3342.3342.3	out	2063	1.007	0.45	1.72	115	1.946	BQCV	1	MYAOSGPRVMSQSLSRDYR	19	NP_620564.1	nonstructural polyprotein	0.9892
47	2009-03-18-13.3492.3492.2	out	1459.8	0.44	0.4	1.71	399	0	IFV6	1	M*PHYVYV*VSPMR	13	NP_149567.1	104L	0.9932
14	2009-03-18-13.3475.3475.2	out	918.3	1.598	0.38	1.69	176	0.693	g	1	ICECTCTMK	8	YP_654593.1	hypothetical protein MIV021L	0.9845
35	2009-03-18-13.6102.6102.3	out	1200.5	0.723	0.55	1.67	135	1.386	Nosema Nosema	2	PSSM*SM*MLLR	13	YP_361392465.1	hypothetical protein An08g03390	0.9798
40	2009-03-18-13.3180.3180.3	out	1265.6	1.275	0.45	1.66	291	0	BQCV	1	LYVM*GVSYM*YR	12	NP_620564.1	nonstructural polyprotein	0.9612
7	2009-03-18-13.2507.2507.2	out	804.4	0.151	0.3	1.64	209	0.693	IFV6	1	KGVCLER	7	NP_149610.1	147L	0.9888
10	2009-03-18-13.3721.3721.2	out	880.5	1.785	0.36	1.61	340	0	IFV6	1	NPFKVMRK	7	NP_149902.1	419L	0.958
24	2009-03-18-13.4529.4529.3	out	1083.5	1.337	0.36	1.61	291	1.099	IFV6	1	VDSEMAFER	9	NP_149636.1	143R	0.981
39	2009-03-18-13.3027.3027.2	out	1258.7	0.662	0.35	1.58	358	0	IFV6	1	NKSPLLNESEK	11	NP_149523.1	050L	0.9549
25	2009-03-18-13.4831.4831.3	out	1090.6	0.227	0.36	1.57	262	0	Nosema	1	VFRGKAQER	9	AAAT12293.1	DNA repair helicase RAD25	1
43	2009-03-18-13.4977.4977.3	out	1377.7	0.165	0.38	1.56	138	1.099	IFV6	1	RSSF*SGVLM*FCK	13	NP_149699.1	236L	0.9927
13	2009-03-18-13.5297.5297.2	out	916.4	0.377	0.36	1.54	182	0.693	ABPV ABPV						

Sl No	File Name	(M+H)	*M	*Cn	XCor	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
41	2009-03-18-14 3338 3338 3 out	1515 7	0 171	0 66	3 6	1399		0 Nosema	1	WHHTFYNELR	11	AAB86863 1	actin	0 9868
36	2009-03-18-14 4824 4824 2 out	1457 9	0 613	0 73	3 27	1364		0 NosemaNosemaNosema	5	IAQVSSSITASLR	14	AAZ23550 1	alpha-tubulin	0 959
4	2009-03-18-14 1472 1472 2 out	800 5	0 175	0 39	3 06	793		0 Nosema	1	RIDIAGR	7	AAB86863 1	actin	0 9846
42	2009-03-18-14 5063 5063 3 out	1515 8	0 191	0 5	2 94	546		0 Nosema	1	MFDSWILLYK	12	NP 1495 35 1	072R	0 9953
16	2009-03-18-14 1264 1264 2 out	1077 5	0 517	0 33	2 61	721		0 NosemaNosemaNosema	3	JREEYDPR	8	AAN35161 1	beta-tubulin	0 9961
50	2009-03-18-14 4116 4116 2 out	1614 9	1 545	0 41	2 56	577		0 Nosema	1	TLTTLTKVQINIEK	14	NP 1495 13 1	050L	0 9833
24	2009-03-18-14 2428 2428 3 out	1171 6	0 024	0 47	2 37	708		0 Nosema	1	HKGVMVGMGQK	11	AAB86863 1	actin	0 9611
8	2009-03-18-14 1514 1514 1 out	904 4	1 056	0 18	2 19	263		0 Nosema	1	EEELQEK	7	NP 149469 1	006L	0 9611
33	2009-03-18-14 4213 4213 2 out	1268 6	1 55	0 37	2 19	420	1 099	0 Nosema	1	DKMOIYVEDK	10	NP 149676 1	213R	0 993
11	2009-03-18-14 1763 1763 2 out	958 6	0 551	0 22	2 18	508		0 Nosema	1	EATRLLKK	8	BAF76326 1	heat shock protein 70	0 9704
2	2009-03-18-14 1122 1122 2 out	792 5	0 137	0 25	2 13	450		0 Nosema	1	EFKLKK	6	AAS16360 1	translation elongation factor 1 alpha	0 9552
57	2009-03-18-14 4444 4444 3 out	1722	0 381	0 33	2 1	208	2 708	0 Nosema	1	IFKQKTSQGM*VGLLR	16	YP 654610 1	hypothetical protein MIV029R	0 96
59	2009-03-18-14 3804 3804 3 out	1895	1 492	0 41	2 02	125		0 Nosema	1	ATKPGDGVVQISCFINR	17	YP 654692 1	hypothetical protein MIV120R	0 9877
20	2009-03-18-14 5918 5918 3 out	1118 6	1 547	0 33	1 99	456		0 ABPV	1	VDLCAEVKNK	10	NP 066241 1	replicase polypeptide	0 9739
15	2009-03-18-14 3404 3404 2 out	1071 6	0 237	0 31	1 97	337		0 Nosema	1	GKVEIFHNK	9	NP 149917 1	454R	0 9961
6	2009-03-18-14 7398 7398 2 out	819 4	0 726	0 32	1 96	328		0 Nosema	1	NEKGEDK	7	NP 149500 1	037L	0 9612
34	2009-03-18-14 2162 2162 3 out	1385 7	1 132	0 34	1 94	206	0 693	0 NosemaNosemaNosema	9	SEQFSLMFRK	11	AZ223552 1	beta-tubulin	0 9505
45	2009-03-18-14 3745 3745 2 out	1548 9	1 291	0 34	1 93	638		0 Nosema	1	LETFLDKNLISK	13	ABE27269 1	unknown	0 9934
37	2009-03-18-14 3576 3576 2 out	1485 9	0 443	0 48	1 91	557		0 Nosema	1	ISRRLTFTPLNR	12	AAT12296 1	chromosome segregation protein	0 9897
9	2009-03-18-14 1060 1060 2 out	940 6	1 809	0 35	1 89	369		0 Nosema	1	RWQLPK	7	NP 149778 1	315L	0 9758
10	2009-03-18-14 3626 3626 2 out	946 6	0 461	0 61	1 89	346		0 Nosema	1	LGLTKRGR	8	AAT12296 1	chromosome segregation protein	0 9795
49	2009-03-18-14 3384 3384 2 out	1592 8	0 351	0 38	1 88	314		0 Nosema	1	NYPTIDQMKLLK	13	NP 149675 1	212L	0 995
25	2009-03-18-14 3365 3365 2 out	1187 7	0 453	0 36	1 87	562		0 Nosema	1	JAQKTLITK	11	NP 149513 1	050L	0 9978
7	2009-03-18-14 3732 3732 2 out	880 5	1 633	0 38	1 86	338		0 Nosema	1	NFVKMNK	7	NP 149902 1	439L	0 9892
19	2009-03-18-14 7864 7864 3 out	1118 5	1 69	0 36	1 83	398		0 Nosema	1	LPEIFDNR	9	NP 149731 1	268L	0 9631
51	2009-03-18-14 4196 4196 2 out	1629 8	0 534	0 41	1 83	250		0 Nosema	1	WTLENEENKPIEK	13	NP 149590 1	127L	0 9783
52	2009-03-18-14 4207 4207 2 out	1635 9	1 554	0 53	1 83	485		0 Nosema	1	MCAAFRSVLAFFR	15	AAT12295 1	phospholipase D	0 9976
32	2009-03-18-14 3895 3895 2 out	1338 7	1 632	0 36	1 76	154		0 Nosema	1	RLTNSNSITYSASK	13	ACA47659 1	unknown	0 994
58	2009-03-18-14 4546 4546 3 out	1790 9	0 289	0 34	1 75	140	1 609	0 Nosema	1	DEELESEKEKGIOTR	7	NP 149883 1	420R	0 9652
68	2009-03-18-14 4573 4573 3 out	2509 3	1 836	0 46	1 74	285		0 Nosema	1	VVEVNISSVDVCEAMRILK	22	AAB54170 2	Hypothetical protein C44E 2	0 9958
44	2009-03-18-14 4019 4019 2 out	1531 8	0 921	0 42	1 7	130		0 Nosema	1	LLTPQAAHFVDTNK	14	YP 654697 1	hypothetical protein MIV125R	0 9922
1	2009-03-18-14 3293 3293 2 out	700 5	0 431	0 31	1 69	361		0 Nosema	1	YVDIMK	6	ABM26977 1	RNA polymerase II largest subunit	0 9785
22	2009-03-18-14 1516 1516 3 out	1158 6	0 451	0 37	1 68	554		0 Nosema	1	VXIKDVHEVR	9	AAL28052 1	AF406785 1 unknown	0 9828
31	2009-03-18-14 2899 2899 2 out	1309 7	0 585	0 41	1 68	196		0 Nosema	1	NLNSILM*FDAR	12	ABO69725 1	unknown	0 9839
35	2009-03-18-14 3218 3218 3 out	1441 8	1 357	0 44	1 67	322	0 693	0 Nosema	1	KNVISKDEVYR	12	NP 149513 1	050L	0 9816
40	2009-03-18-14 5068 5068 3 out	1211 7	1 654	0 34	1 66	410	0 693	0 Nosema	1	TLTISENSEM*KK	14	NP 149856 1	393L	1
28	2009-03-18-14 6347 6347 3 out	1526 8	1 171	0 37	1 65	161	1 099	0 Nosema	1	MLVIGRSPLLK	11	NP 149717 1	254L	0 9729
13	2009-03-18-14 4372 4372 2 out	1498 8	0 2	0 49	1 65	330		0 Nosema	1	EIFICYREGGIK	12	NP 149500 1	037L	0 9818
39	2009-03-18-14 3348 3348 2 out	1048 5	0 59	0 37	1 64	168		0 VDV1	1	LDM*GTLNIR	10	ACF24764 1	polyprotein	1
23	2009-03-18-14 6613 6613 3 out	1170 6	1 593	0 38	1 64	175	0 693	0 Nosema	1	TLQDYDLVR	9	YP 654601 1	hypothetical protein MIV029R	0 9853
27	2009-03-18-14 3280 3280 2 out	1199 7	0 633	0 38	1 64	209		0 Nosema	1	KVNIGNKDIK	10	NP 149674 1	211L	0 9968
43	2009-03-18-14 4157 4157 2 out	1516 8	0 401	0 46	1 64	186		0 Nosema	1	IKNLPFLNLYOR	12	NP 143487 1	024L	0 9925
66	2009-03-18-14 4642 4642 3 out	2292 1	0 939	0 48	1 59	174	0 693	0 Nosema	1	SPVSNQSPSEDEPIPLTLK	21	YP 654593 1	hypothetical protein MIV021V	0 9841
61	2009-03-18-14 3380 3380 3 out	2063	0 972	0 4	1 57	119	1 386	BQCV	1	MLVAQSGFVMSQSLSDRVD	19	NP 620564 1	nonstructural polyprotein	0 9978
46	2009-03-18-14 4516 4516 2 out	1579 9	0 466	0 46	1 56	371		0 Nosema	1	FLRETGVGLFYDKR	13	NP 149770 1	307L	0 9712
53	2009-03-18-14 3310 3310 3 out	1638 8	1 401	0 35	1 51	214		0 Nosema	1	M*ASIFSEDTSYKID	15	NP 149489 1	026R	0 9828



Test 98

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
105	2009-03-18-15 4060 4060 2 out	1790.9	0.601	0.65	3.32	618	0	Nosema	1	SYELPDGQVIGKISER	16	AAB86863.1	actin	0.9968
87	2009-03-18-15 3354 3354 2 out	1515.7	0.474	0.58	2.7	684	0	Nosema	1	WWHTFYNELR	11	AAB86863.1	actin	0.9545
54	2009-03-18-15 2603 2603 2 out	1171.6	0.296	0.4	2.52	792	0	Nosema	1	HKGVMVGMGQK	11	AAB86863.1	actin	0.9656
95	2009-03-18-15 4240 4240 2 out	1614.9	0.472	0.32	2.49	376	0.693	iv6	1	TLTTKVNINIEK	14	NP_149513.1	050L	0.9511
9	2009-03-18-15 705 705 2 out	759.5	1.137	0.04	2.32	225	0	iv6	1	KNKEIK	6	NP_149864.1	401R	0.9917
90	2009-03-18-15 3669 3669 2 out	1534.8	0.699	0.23	2.21	1091	0	Nosema	1	MPFGLVNGPATFOR	14	ABE26655.1	pol polyprotein	0.9572
56	2009-03-18-15 3372 3372 2 out	1178.7	0.498	0.26	2.18	414	0.693	iv6	1	LINEKFSK	10	NP_149500.1	037L	0.9864
5	2009-03-18-15 289 289 2 out	729.5	0.372	0.24	2.09	240	0.693	iv6	1	KSPAACK	7	NP_149872.1	411L	0.9689
22	2009-03-18-15 1824 1824 2 out	844.5	0.768	0.08	2.09	319	0	iv6	1	KNOLNK	7	NP_149852.1	389L	0.9864
32	2009-03-18-15 3279 3279 2 out	914.6	0.514	0.22	2.09	198	0	iv6	1	LINDLAKK	8	NP_149647.1	184R	0.9967
38	2009-03-18-15 1336 1336 2 out	973.6	0.51	0.18	2.08	112	2.639	iv6	1	KEAQKIEK	8	NP_149612.1	149L	0.9533
6	2009-03-18-15 1630 1630 2 out	732.4	0.513	0.08	2.06	455	0.693	Nosema	1	EINNDK	6	ABE26653.1	pol polyprotein	0.9886
79	2009-03-18-15 3706 3706 2 out	1450.6	0.59	0.28	2.06	357	1.099	iv6	1	M*NDNDIVEIEK	13	NP_149765.1	302L	0.9981
8	2009-03-18-15 702 702 2 out	746.4	1.13	0.2	1.98	291	0	iv6	1	EDVKKK	6	NP_149832.1	369L	0.9881
35	2009-03-18-15 3205 3205 2 out	948.5	1.13	0.32	1.97	215	0	Nosema	1	VEFLVDDK	8	ABE26655.1	pol polyprotein	0.9969
10	2009-03-18-15 1852 1852 2 out	771.5	1.682	0.2	1.95	662	0	Nosema	1	RIELK	6	ABE27266.1	unknown	0.9792
13	2009-03-18-15 1266 1266 2 out	792.5	0.2	0.18	1.95	292	0.693	Nosema	1	EKKLKK	6	AAS16360.1	translation elongation factor 1 alpha	0.9558
63	2009-03-18-15 4255 4255 2 out	1223.6	1.568	0.24	1.94	692	0	Nosema	1	EDKLHGAAAR	11	ABO69713.1	Sec51alpha	0.9875
23	2009-03-18-15 1386 1386 2 out	858.5	0.717	0.18	1.93	268	0	iv6	1	EKLKLLK	7	NP_149920.1	457L	0.9857
94	2009-03-18-15 4985 4985 2 out	1613.1	1.37	0.48	1.93	289	0	iv6	1	VVIGKAGTGKSTLR	16	NP_149538.1	075L	0.9781
20	2009-03-18-15 1255 1255 2 out	830.5	0.589	0.26	1.92	205	0	JAPVIAPV	2	LKDLVK	7	YP_001040002.1	polymerase polyprotein	0.9918
86	2009-03-18-15 3804 3804 2 out	1513.7	1.417	0.22	1.91	377	0	iv6	1	MASLNDVCYEIK	13	NP_149776.1	313L	0.9967
88	2009-03-18-15 4993 4993 2 out	1518.8	0.282	0.34	1.91	222	0	MSCUT	1	SGRM*SLVATAVAAR	16	ABO96192.1	vasa	0.9616
98	2009-03-18-15 4171 4171 2 out	1648.9	0.581	0.21	1.91	229	0.693	iv6	1	MGITLEDTRVEVK	14	NP_149674.1	211L	0.98
68	2009-03-18-15 3169 3169 2 out	1344.7	0.164	0.23	1.88	430	0	iv6	1	EENENLEIK	11	NP_149776.1	313L	0.9651
45	2009-03-18-15 1596 1596 2 out	1050.6	0.043	0.24	1.87	375	0	iv6	1	FAEKSSLR	9	NP_149642.1	179R	0.9686
18	2009-03-18-15 1089 1089 2 out	816.5	0.438	0.15	1.86	366	0	DWV/DWV/DWV/Kakugo	4	QIRMLR	6	NP_853560.2	polyprotein	0.9858
61	2009-03-18-15 4049 4049 2 out	1209.7	1.605	0.18	1.86	270	0	Nosema	1	LIESPAINKPK	11	ABM26979.1	RNA polymerase II largest subunit	0.9582
89	2009-03-18-15 4269 4269 2 out	1524.9	1.439	0.33	1.86	814	0	iv6	1	SLGVNNEQLKVNPK	14	NP_149859.1	396L	0.9933
2	2009-03-18-15 2410 2410 2 out	716.4	0.606	0.14	1.85	493	0	Nosema	1	IDISR	6	AAD04234.1	translation initiation factor 2 gamma subunit	0.9932
83	2009-03-18-15 4581 4581 2 out	1492.9	0.598	0.28	1.85	231	1.609	Nosema	1	VLNDRLHSGIKLK	13	BAF76326.1	heat shock protein 70	1
104	2009-03-18-15 4139 4139 2 out	1764.8	1.881	0.26	1.85	124	0.693	iv6	1	YRAAEGEGNQFYGM*R	16	NP_149672.1	209R	0.9566
36	2009-03-18-15 1966 1966 2 out	958.6	0.504	0.21	1.84	391	0	Nosema	1	EATRLKK	8	BAF76326.1	heat shock protein 70	0.9589
28	2009-03-18-15 2213 2213 2 out	892.5	0.657	0.23	1.83	174	0.693	iv6	1	ETGVLFK	8	NP_149770.1	307L	0.9574
40	2009-03-18-15 2755 2755 2 out	989.5	0.011	0.23	1.83	310	2.197	iv6	1	DKKLNEER	8	NP_149639.1	176R	0.9922
77	2009-03-18-15 3605 3605 2 out	1431.8	0.682	0.37	1.83	43	2.398	KBKVBK/BKVBK/BKVBK/BV	5	QVSMQIATPNKSK	13	ABN49472.1	VP4 protein	0.9941
70	2009-03-18-15 4105 4105 2 out	1356.7	1.495	0.24	1.82	311	0	iv6	1	MTQGNLHSLNK	12	NP_149767.1	304R	0.9724
99	2009-03-18-15 4782 4782 2 out	1672.8	0.128	0.39	1.82	227	0	Nosema	1	ESVCFYCKKPGHFK	14	ABE26655.1	pol polyprotein	0.9763
24	2009-03-18-15 3154 3154 2 out	861.5	1.558	0.17	1.8	338	0	iv6	1	EKLICKK	7	NP_149600.1	137R	0.9602
39	2009-03-18-15 3394 3394 2 out	978.5	0.785	0.19	1.8	358	0	iv6	1	SMLKQMLK	8	NP_149751.1	288R	0.9915
47	2009-03-18-15 3337 3337 2 out	1086.6	0.675	0.24	1.8	330	1.099	iv6	1	LKNLEINOK	9	NP_149609.1	146R	1
78	2009-03-18-15 3991 3991 2 out	1437.7	1.691	0.21	1.8	244	0	iv6	1	MTINGIMASIMGK	13	NP_149891.1	428L	0.9952
82	2009-03-18-15 3582 3582 2 out	1485.9	0.481	0.37	1.79	452	0	Nosema	1	ISRLTFIPLNR	12	AAT12296.1	chromosome segregation protein	0.9933
48	2009-03-18-15 4109 4109 2 out	1102.7	0.493	0.38	1.74	365	0	Nosema	1	PLKSILYR	9	ABO69724.1	unknown	0.951
46	2009-03-18-15 3217 3217 2 out	1058.6	0.571	0.21	1.73	273	0	iv6	1	SPNVSLTGKR	10	NP_149664.1	201R	0.9634
7	2009-03-18-15 8144 8144 2 out	743.5	1.585	0.25	1.72	189	1.792	gi	1	VVERIK	6	YP_654652.1	hypothetical protein MIV080R	0.9825
15	2009-03-18-15 6049 6049 2 out	803.5	1.734	0.35	1.72	261	0	Nosema/Nosema/Nosema	6	QAEKSK	7	ABM26981.1	RNA polymerase II largest subunit	0.9507
37	2009-03-18-15 1803 1803 2 out	961.4	0.378	0.29	1.72	284	0	SVISV	2	EASPSNDDGGK	10	NP_049374.1	polyprotein	0.9956
52	2009-03-18-15 3673 3673 2 out	1132.6	0.388	0.28	1.72	403	0	gi	1	RGQMKNEGGR	10	YP_654692.1	hypothetical protein MIV120R	0.9883
73	2009-03-18-15 4062 4062 2 out	1377.7	0.911	0.41	1.72	210	0	iv6	1	NEHNSVGRQMK	12	NP_149530.1	067R	0.9888
103	2009-03-18-15 4206 4206 2 out	1763.1	0.287	0.4	1.72	470	0	Nosema	1	RMFVLAVIVFLTK	15	AAL28057.1	AF406785.6 calmodulin-dependent protein kinase	0.9931
60	2009-03-18-15 4175 4175 2 out	1205.7	1.574	0.28	1.71	262	0	iv6	1	VDVSTQTKVK	11	NP_149655.1	192R	0.9968
29	2009-03-18-15 3390 3390 2 out	896.5	0.221	0.21	1.69	417	0	iv6	1	INFKVM*MK	8	NP_149902.1	439L	0.9944
21	2009-03-18-15 2807 2807 2 out	843.5	1.971	0.21	1.68	309	0	Nosema	1	KVIATGYR	8	AAT72741.1	deoxyuridine 5' triphosphate nucleotidylhydrolase	0.984
66	2009-03-18-15 4653 4653 2 out	1283.8	0.832	0.29	1.68	590	0.693	iv6	1	LVNSGNAIRLVK	12	NP_149639.1	176R	0.9955
72	2009-03-18-15 4213 4213 2 out	1374.8	0.902	0.42	1.68	406	0	iv6	1	LKNSLTISENKK	12	NP_149508.1	045L	0.9951
84	2009-03-18-15 4497 4497 2 out	1500.7	0.626	0.43	1.67	225	0.693	iv6	1	DDM*AASYLEGKER	14	NP_149635.1	172L	0.9923
69	2009-03-18-15 4422 4422 2 out	1348.8	0.721	0.31	1.65	394	0	iv6	1	KFKDILATGDK	12	NP_149612.1	149L	0.9978
97	2009-03-18-15 4276 4276 2 out	1648.8	0.778	0.35	1.65	208	0	iv6	1	ETTNEEVNDEIDEK	14	NP_149901.1	438L	0.9983
26	2009-03-18-15 2808 2808 2 out	877.6	1.394	0.3	1.64	209	1.099	iv6	1	QIVKYYK	7	NP_149813.1	350L	0.9954
101	2009-03-18-15 4083 4083 2 out	1712.9	0.574	0.36	1.64	112	1.609	iv6	1	QALLNTAGSSIM*YLSK	17	NP_149618.1	155L	0.9891
30	2009-03-18-15 1592 1592 2 out	902.6	1.687	0.27	1.63	118	1.609	iv6	1	VLVYAPLK	8	NP_149612.1	149L	0.9973
102	2009-03-18-15 4398 4398 2 out	1746.8	1.533	0.31	1.63	154	1.099	iv6	1	NCOEKETIYDNFR	14	NP_149500.1	037L	0.952
112	2009-03-18-15 4997 4997 3 out	2653.4	1.34	0.37	1.63	263	0	BQCV	1	VKFATHVSRML*LNHVQCDAK	24	NP_620565.1	structural polyprotein	0.9672
25	2009-03-18-15 6991 6991 2 out	875.5	0.912	0.35	1.6	184	0	Nosema	1	DAGGRIMR	8	ABE26648.1	pol polyprotein	0.9974
33	2009-03-18-15 7086 7086 2 out	921.6	1.404	0.4	1.6	185	1.609	iv6	1	SLRSFAK	8	NP_149767.1	304R	0.9682
59	2009-03-18-15 3241 3241 2 out	1199.7	0.051	0.33	1.6	249	0.693	iv6	1	KVNIGNKDK	10	NP_149674.1	211L	0.9529
81	2009-03-18-15 3076 3076 2 out	1458.9	0.436	0.26	1.6	323	0	gi	1	IISTQDKVVKSK	13	YP_654658.1	hypothetical protein MIV086L	0.9787
96	2009-03-18-15 3306 3306 2 out	1631.8	0.302	0.27	1.6	172	0	iv6	1	IDADLQGNMG*VEIK	16	NP_149618.1	155L	0.9977
42	2009-03-18-15 3430 3430 2 out	1040.5	1.49	0.35	1.59	256	0	iv6	1	EM*M*KINK	10	NP_149631.1	468L	0.9973
111	2009-03-18-15 4699 4699 3 out	2295.1	0.103	0.44	1.59	76	2.079	iv6	1	ESVVDIC*SLGTFNCSFTTPK	21	NP_149862.1	399R	0.9901
31	2009-03-18-15 3489 3489 2 out	911.5	0.464	0.28	1.57	160	0.693	iv6	1	ILDFYK	7	NP_149648.1	185L	0.9848
50	2009-03-18-15 4066 4066 2 out	1122.5	0.616	0.26	1.57	267	0	iv6	1	SLMGNCPSVK	11	NP_149555.1	092R	0.9735
75	2009-03-18-15 4515 4515 2 out	1410.9	0.555	0.31	1.57	183	1.099	Nosema	1	LKEIINVAKNIR	12	AAD12605.1	RNA polymerase II largest subunit	0.9817
17	2009-03-18-15 1328 1328 2 out	815.5	1.691	0.25	1.55	203	0	iv6	1	KRSLSPK	7	NP_149829.1	366R	0.9729
107	2009-03-18-15 4582 4582 2 out	1947.8	0.706	0.32	1.55									



Test 99

Sr No	File Name	(M+H)	M	Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP		
73	2009-03-18-16 4016 4016 2 out	1790.9	0.565	0.59	3.5	823	0	Nosema	1	SYELPDGGVVIKISER	16	AAB86863.1	actin	0.9974		
31	2009-03-18-16 2679 2679 2 out	1171.6	0.607	0.36	2.61	864	0	Nosema	1	HKGVMMVMGQK	11	AAB86863.1	actin	0.9984		
49	2009-03-18-16 4294 4294 2 out	1433.8	0.545	0.56	2.48	712	0	IV6	1	TITEFDPPSIVSK	13	NP_149687.1	224L	0.9845		
63	2009-03-18-16 4040 4040 2 out	1614.9	0.412	0.39	2.32	701	0	IV6	1	TILTITKVONIEK	14	NP_149513.1	050L	0.9949		
8	2009-03-18-16 1673 1673 2 out	800.5	0.969	0.22	2.27	467	0	Nosema	1	RIDIAGR	7	AAB86863.1	actin	0.9918		
12	2009-03-18-16 2170 2170 2 out	892.5	0.528	0.28	2.27	315	0	IV6	1	ETVGVLFK	8	NP_149770.1	307L	0.9769		
17	2009-03-18-16 1996 1996 2 out	958.6	0.554	0.25	2.24	577	0	Nosema	1	EATRLKK	8	BAF76326.1	heat shock protein 70	0.9888		
67	2009-03-18-16 3773 3773 3 out	1738.9	0.875	0.33	2.24	286	1.099	Nosema	1	VPYASPAFM*IEKKNK	16	ABE26651.1	pol polyprotein	0.9856		
41	2009-03-18-16 3796 3796 2 out	1320.7	1.33	0.37	2.2	193	1.099	IV6	1	VQFNDTNLKNK	11	NP_149852.1	389L	0.9887		
53	2009-03-18-16 3276 3276 2 out	1475.6	1.574	0.25	2.2	477	0.693	IV6	1	EMNNTCSSGYLTR	13	NP_149930.1	467R	0.9731		
29	2009-03-18-16 5712 5712 3 out	1148.7	1.832	0.38	2.17	296	0	IAPV/IAPV	2	LKKYVSGIK	10	YP_001040002.1	polymerase polyprotein	0.9923		
7	2009-03-18-16 249 249 2 out	761.4	0.172	0.14	2.13	502	0	IV6	1	EIQLMK	6	NP_149723.1	260R	0.961		
65	2009-03-18-16 4307 4307 2 out	1703.9	1.841	0.3	2.1	131	0.693	Nosema	1	SSSTWINNMNPVIK	15	ABE26652.1	pol polyprotein	0.9563		
42	2009-03-18-16 2998 2998 2 out	1344.7	1.563	0.33	2.09	367	0	IV6	1	ENENHLEIK	11	NP_149776.1	313L	0.9948		
45	2009-03-18-16 4044 4044 2 out	1374.7	0.365	0.29	2	573	0	Nosema	1	EVMRQAESIAK	12	AAT12295.1	phospholipase D	0.9638		
62	2009-03-18-16 4942 4942 2 out	1613	1.322	0.39	1.97	361	0	IV6	1	VVIGKAGTGKSLIR	16	NP_149538.1	075L	0.985		
64	2009-03-18-16 3776 3777 2 out	1630.8	1.632	0.34	1.97	553	0	IV6	1	GENMLIESHNM*LR	14	NP_149463.1	468L	0.9834		
4	2009-03-18-16 368 368 2 out	729.5	0.523	0.25	1.93	228	0	IV6	1	KSPAACK	7	NP_149872.1	411L	0.9735		
6	2009-03-18-16 1010 1010 2 out	757.5	0.622	0.24	1.92	132	1.609	gi	1	ELVRLK	6	YP_654600.1	hypothetical protein MIV028R	0.9844		
28	2009-03-18-16 1672 1672 3 out	1142.7	0.918	0.32	1.9	487	0	IV6	1	KDIAISKVLR	10	NP_149485.1	022L	0.9596		
33	2009-03-18-16 3228 3228 2 out	1199.7	1.545	0.29	1.9	398	0	IV6	1	KVNQNKDKK	10	NP_149674.1	211L	0.9852		
14	2009-03-18-16 4841 4841 2 out	921.6	1.93	0.26	1.88	328	0	IV6	1	SLRSFAIK	8	NP_149767.1	304R	0.9682		
10	2009-03-18-16 1108 1108 2 out	816.5	0.794	0.24	1.86	385	0	IV6	1	DWV/DWV/DWV/Kakugo	4	QIRMLR	8	NP_853560.2	polyprotein	0.9686
70	2009-03-18-16 4157 4157 2 out	1763.1	0.27	0.5	1.84	537	0	Nosema	1	RMFVLAIVFLITK	15	AAL28057.1	AF406785_6 calmodulin-dependent protein kinase	0.9792		
32	2009-03-18-16 3353 3353 2 out	1187.7	0.282	0.33	1.83	701	0	IV6	1	IAAQKTLITK	11	NP_149513.1	050L	0.9966		
23	2009-03-18-16 3383 3383 2 out	1071.6	0.139	0.4	1.79	793	0	IV6	1	GKVEIFHNK	9	NP_149917.1	454R	0.9938		
3	2009-03-18-16 2591 2591 2 out	721.4	1.792	0.35	1.76	436	0	Nosema	1	AKIDM*YK	7	AAB62549.1	glutamy-tRNA synthetase	0.9826		
5	2009-03-18-16 833 833 2 out	743.5	1.746	0.26	1.75	313	0.693	gi	1	VVERIK	6	YP_654652.1	hypothetical protein MIV080R	0.9884		
35	2009-03-18-16 2987 2987 3 out	1220.7	1.222	0.44	1.75	360	0	IV6	1	KATRPFGMGK	11	NP_149731.1	268L	0.9537		
1	2009-03-18-16 3303 3303 2 out	700.5	0.101	0.37	1.74	360	0	Nosema	1	VXDIK	6	ABM26977.1	RNA polymerase II largest subunit	0.9723		
18	2009-03-18-16 1718 1718 2 out	989.6	0.358	0.29	1.74	353	0	gi	1	TVCRLLER	8	YP_654695.1	hypothetical protein MIV123L	0.9981		
51	2009-03-18-16 3510 3510 2 out	1459.8	0.45	0.3	1.74	403	0	IV6	1	M*PHYVYVVKSPIWR	13	NP_149567.1	104L	0.9549		
19	2009-03-18-16 3402 3402 2 out	1040.5	1.66	0.4	1.72	253	0	IV6	1	EM*MKINDK	10	NP_149463.1	468L	0.9547		
74	2009-03-18-16 4725 4725 2 out	1824.9	1.55	0.35	1.72	308	0	Nosema	1	YDISNDVRRAMEK	15	ABO69724.1	unknown	0.9953		
81	2009-03-18-16 3850 3850 3 out	2166.1	1.517	0.5	1.71	90	0.693	Nosema	1	ISAEONLIFDEMVRGGM	19	AAB62549.1	glutamy-tRNA synthetase	0.9967		
25	2009-03-18-16 4066 4066 2 out	1102.7	0.429	0.46	1.69	451	0	Nosema	1	PLKSILYR	9	ABO69724.1	unknown	0.9707		
13	2009-03-18-16 2704 2704 2 out	915.6	0.085	0.33	1.68	130	0.693	VDV1/VDV1	2	EKLISVVK	8	YP_145791.1	polyprotein	0.9955		
11	2009-03-18-16 3750 3750 2 out	880.5	1.838	0.36	1.67	280	0.693	IV6	1	NFVKMNK	7	NP_149902.1	439L	0.9859		
66	2009-03-18-16 4038 4038 2 out	1712.9	0.603	0.42	1.66	86	1.946	IV6	1	QALLNTAGSSIM*YLSK	17	NP_149618.1	155L	0.9859		
21	2009-03-18-16 3456 3456 2 out	1048.5	0.642	0.38	1.65	177	0	VDV1	1	LDM*GTINR	10	ACF24764.1	polyprotein	0.9908		
60	2009-03-18-16 4426 4426 2 out	1579.9	0.472	0.42	1.65	725	0	IV6	1	FLRETVGVLFKDR	13	NP_149770.1	307L	0.9969		
50	2009-03-18-16 3969 3969 2 out	1438.7	0.658	0.39	1.64	249	0	Nosema	1	YHEETYDKLK	11	ABE27264.1	unknown	0.979		
34	2009-03-18-16 4024 4024 2 out	1205.7	0.227	0.36	1.62	210	0.693	IV6	1	VDVSTQTKTVK	11	NP_149655.1	192R	0.9971		
55	2009-03-18-16 4128 4128 2 out	1513	0.613	0.46	1.62	163	0	IV6	1	LILIASLVLLFGK	14	NP_149676.1	213R	0.9928		
69	2009-03-18-16 4190 4190 2 out	1746.8	0.481	0.44	1.62	278	0	IV6	1	NCOEKETYSNFR	14	NP_149500.1	037L	0.9826		
71	2009-03-18-16 3821 3821 2 out	1769.8	1.604	0.37	1.62	345	0	IV6	1	FEASEMYSWYKSNK	14	NP_149902.1	439L	0.9984		
43	2009-03-18-16 3678 3678 2 out	1366.7	1.694	0.33	1.61	517	0	IV6	1	INLVLFQHHCR	11	NP_149818.1	355R	0.9842		
15	2009-03-18-16 2699 2699 2 out	922.4	0.576	0.35	1.59	345	0.693	IV6	1	DREMMIK	7	NP_149469.1	006L	0.9968		
56	2009-03-18-16 3659 3659 2 out	1522.8	0.587	0.35	1.59	282	0	IV6	1	M*AHLSGNSOLIGSSK	16	NP_149724.1	261R	0.9849		
59	2009-03-18-16 2865 2865 3 out	1548.8	0.597	0.34	1.58	299	0	gi	1	MTITNTWQALNKK	13	YP_654621.1	hypothetical protein MIV049R	0.9748		
47	2009-03-18-16 3800 3800 2 out	1399.6	1.477	0.56	1.57	298	0	IV6	1	FRSDMQESLMR	11	NP_149676.1	213R	0.9573		
72	2009-03-18-16 3707 3707 3 out	1775.9	1.263	0.39	1.57	114	1.792	Nosema	1	ALVELRDSPVDTEFGK	16	AAC47660.1	mitochondrial-type HSP70	0.9854		
37	2009-03-18-16 2247 2247 3 out	1255.6	0.207	0.33	1.56	257	0	IV6	1	KYISTNNMR	11	NP_149589.1	126R	0.9664		
76	2009-03-18-16 3006 3006 3 out	1978	1.266	0.41	1.54	247	0.693	IV6	1	FFSTLNLAFAEKINQYR	16	NP_149837.1	374R	0.9575		
61	2009-03-18-16 4371 4371 3 out	1585.9	0.592	0.51	1.53	104	0.693	Nosema	1	KIONLSERIM*IPK	14	ABY49796.1	hypothetical spore wall protein 14	0.9701		
30	2009-03-18-16 3675 3675 2 out	1160.6	0.161	0.4	1.52	398	0	KBVKBV	2	IVENALGESK	11	NP_851403.1	non-structural polyprotein	0.979		
48	2009-03-18-16 3628 3628 2 out	1413.7	0.681	0.42	1.51	99	1.792	IV6	1	HDTDTWVKLR	11	NP_149633.1	170L	0.9874		
52	2009-03-18-16 1587 1587 3 out	1466.7	1.74	0.38	1.51	146	0.693	Nosema	1	KKTFLHWYTGEG	12	ABG91162.1	beta-tubulin	0.9682		
27	2009-03-18-16 3920 3920 2 out	1134.6	0.558	0.38	1.5	315	0	IAPV/IAPV	2	VQKNPNSGYK	10	YP_001040003.1	structural polyprotein	0.9973		



Test 100

Sr No	File Name	(M+H)	*M	*Cn	XCorr	Sp	RSp	Reference	No	Peptide	AA	ID#	Protein	PP
82	2009-03-18-17 4014 4014 2 out	1790.9	1.41	0.66	3.8	674	0	Nosema	1	SYELPDGQVVKIGSER	16	AAB86863.1	actin	0.9765
36	2009-03-18-17 2647 2647 2 out	1171.6	0.426	0.4	2.9	744	0	Nosema	1	HKGVFMVGMGQK	11	AAB86863.1	actin	0.9982
60	2009-03-18-17 3738 3738 2 out	1432.8	0.96	0.36	2.26	568	0	gi	1	AM*VLDILKELGSK	14	YP_654651.1	hypothetical protein MIV079L	0.968
46	2009-03-18-17 4140 4140 2 out	1268.6	1.576	0.3	2.21	522	0.693	IV6	1	DKMQIYVEDK	10	NP_149676.1	213R	0.9943
35	2009-03-18-17 2765 2765 2 out	1164.6	1.261	0.36	2.09	246	0	IV6	1	KVKNQCESTK	10	NP_149813.1	350L	0.9584
4	2009-03-18-17 620 620 2 out	731.4	1.741	0.16	2.05	248	1.099	IV6	1	VKDELK	6	NP_149469.1	006L	0.9988
57	2009-03-18-17 4048 4048 2 out	1377.7	1.475	0.27	2.03	161	0	IV6	1	NENNSVGRQMK	12	NP_149530.1	067R	0.9931
73	2009-03-18-17 3355 3355 2 out	1592.8	0.598	0.28	2.03	373	0	IV6	1	NYPTIQDEMCKLK	13	NP_149675.1	212L	0.9837
54	2009-03-18-17 2987 2987 2 out	1344.7	1.362	0.32	2.02	315	1.099	IV6	1	ENENNLEEIK	11	NP_149776.1	313L	0.9985
77	2009-03-18-17 4008 4008 2 out	1632.9	0.539	0.33	1.97	344	0	IV6	1	TALANTALILMEIMK	15	NP_149904.1	441R	0.967
23	2009-03-18-17 4588 4588 2 out	994.4	0.682	0.27	1.92	165	1.946	KBVKBKVBK	3	MNNEALM*R	9	YP_308663.1	VP3	0.9876
70	2009-03-18-17 4497 4497 2 out	1545.9	0.577	0.21	1.9	196	0	IV6	1	QKDFHFKEILLK	12	NP_149493.1	030L	0.9949
53	2009-03-18-17 3034 3034 2 out	1323.5	1.338	0.3	1.88	68	0	Nosema	1	EDDESEKNDK	11	ABV48893.1	hypothetical spore wall protein	0.999
10	2009-03-18-17 963 963 2 out	792.5	0.401	0.16	1.87	406	0	Nosema	1	EFKLKK	6	AAS16360.1	translation elongation factor 1 alpha	0.9967
68	2009-03-18-17 3629 3629 2 out	1533.8	0.773	0.33	1.87	297	0.693	gi	1	PVVYSTROGAEVLK	14	YP_654588.1	hypothetical protein MIV016R	0.9817
5	2009-03-18-17 2634 2634 2 out	748.4	0.596	0.29	1.86	610	0	Nosema	1	EVECLR	6	ABV48890.1	hypothetical spore wall protein	0.9886
17	2009-03-18-17 3651 3651 2 out	880.5	1.786	0.39	1.86	343	0.693	IV6	1	NFVKMNK	7	NP_149902.1	439L	0.9928
31	2009-03-18-17 4056 4056 2 out	1102.7	1.529	0.48	1.86	515	0	Nosema	1	PLKSILLYR	9	ABO69724.1	unknown	0.9802
74	2009-03-18-17 4960 4960 2 out	1613	1.336	0.44	1.85	307	0	IV6	1	IVVIGKAGTGKSTLIR	16	NP_149538.1	075L	0.9876
55	2009-03-18-17 3190 3190 2 out	1353.7	0.589	0.31	1.84	210	0	gi	1	M*LVNM*ATWEVK	13	YP_654666.1	hypothetical protein MIV094L	0.9907
28	2009-03-18-17 1265 1265 3 out	1082.7	1.874	0.42	1.81	199	0	Nosema	1	ETHLKLTK	9	ABV48898.1	hypothetical spore wall protein	0.9859
76	2009-03-18-17 3760 3760 2 out	1630.8	0.613	0.34	1.8	311	1.099	IV6	1	QENMLIESHNM*LR	14	NP_149463.1	468L	0.9505
15	2009-03-18-17 1375 1375 2 out	835.5	0.685	0.19	1.77	411	0	IV6	1	MLIM*ALK	8	NP_149882.1	419L	0.9979
75	2009-03-18-17 3923 3923 2 out	1614.9	0.575	0.36	1.77	306	0	IV6	1	TILTKVQNIIEK	14	NP_149513.1	050L	0.9763
80	2009-03-18-17 4543 4543 2 out	1746.8	0.737	0.41	1.77	148	0.693	IV6	1	NCQEKETYSDFNR	14	NP_149500.1	037L	0.9848
27	2009-03-18-17 3419 3419 2 out	1071.6	0.599	0.24	1.76	233	0	IV6	1	GKGVFHNK	9	NP_149917.1	454R	0.9937
49	2009-03-18-17 3690 3690 2 out	1309.8	0.769	0.34	1.76	294	0.693	Nosema	1	HFGVRLRLAK	11	AAU11093.1	unknown	0.9994
65	2009-03-18-17 4973 4973 2 out	1518.8	0.257	0.32	1.75	192	0	MSCUT	1	SGRM*SILVATAVAAR	16	ABQ96192.1	vasa	0.999
14	2009-03-18-17 905 905 2 out	830.5	0.26	0.21	1.74	165	0.693	Kakugo	1	QIQWKK	6	YP_015696.1	polyprotein	0.9985
59	2009-03-18-17 4035 4035 2 out	1411.7	0.422	0.34	1.74	475	0	IV6	1	FKERASHDFK	11	NP_149818.1	355R	0.9881
21	2009-03-18-17 2713 2713 2 out	989.5	0.433	0.3	1.73	457	0	IV6	1	DKKLNESR	8	NP_149639.1	176R	0.9958
22	2009-03-18-17 1710 1710 2 out	989.6	0.358	0.31	1.72	531	0	gi	1	TVCRLER	8	YP_654695.1	hypothetical protein MIV123L	0.9703
52	2009-03-18-17 5677 5677 3 out	1315.8	0.676	0.42	1.72	215	0.693	Nosema	1	KGQVQIDTSLK	12	AAT72742.1	60S ribosomal protein L10a	0.9688
63	2009-03-18-17 3480 3480 2 out	1485.9	0.275	0.54	1.71	447	0	Nosema	1	SRRLTFIPLNR	12	AAT12296.1	chromosome segregation protein	0.9922
66	2009-03-18-17 4215 4215 2 out	1524.9	1.43	0.36	1.71	632	0	IV6	1	SLGVVNEQLKVNPK	14	NP_149859.1	396L	0.9952
16	2009-03-18-17 2176 2176 2 out	859.5	0.065	0.37	1.7	199	1.386	Nosema	1	QAESIAK	8	AAT12295.1	phospholipase D	0.997
81	2009-03-18-17 4126 4126 2 out	1763.1	0.352	0.51	1.68	416	0	Nosema	1	RMFVLAVIVLFITK	15	AAL28057.1	AF406785_6 calmodulin-dependent protein kinase	1
6	2009-03-18-17 3227 3227 2 out	760.4	0.008	0.29	1.67	214	0.693	IV6	1	LNSGEIK	7	NP_149761.1	298R	0.9832
18	2009-03-18-17 2400 2400 2 out	892.5	0.725	0.31	1.67	179	0	IV6	1	ETVGVLFK	8	NP_149770.1	307L	0.9803
78	2009-03-18-17 4227 4227 2 out	1648.8	0.602	0.41	1.67	350	0	IV6	1	ETTNEEVNIDEIK	14	NP_149901.1	438L	0.9505
26	2009-03-18-17 3323 3323 2 out	1048.5	0.564	0.34	1.64	136	1.099	VDV1	1	LDM*GTLNIR	10	ACF24764.1	polyprotein	0.9991
30	2009-03-18-17 1032 1032 2 out	1093.6	0.111	0.31	1.61	240	0.693	SVISV/SV	3	SLTILTSCKK	10	AAL79021.1	AF469603_1 polyprotein	0.9865
56	2009-03-18-17 4049 4049 2 out	1356.7	1.521	0.39	1.6	294	0	IV6	1	MQTGNNLHSLNK	12	NP_149767.1	304R	0.9836
12	2009-03-18-17 1678 1678 2 out	820.4	0.086	0.36	1.59	322	0	KBV	1	QIDVSMQ	7	YP_308662.1	VP2	0.992
9	2009-03-18-17 6905 6905 2 out	790.4	1.074	0.38	1.57	175	0	IV6	1	KEAGEEK	7	NP_149490.1	027L	0.9938
88	2009-03-18-17 4414 4414 3 out	2629.2	0.397	0.39	1.57	245	0	Nosema	1	MYARIFMSYRVNSADSFMINGR	22	ABV48897.1	hypothetical spore wall protein	0.9756
33	2009-03-18-17 6119 6119 3 out	1109.5	1.244	0.42	1.55	98	2.639	Nosema	1	VDYINVKEDK	9	ABO69713.1	Sec61alpha	0.9813
71	2009-03-18-17 4425 4425 2 out	1579.9	0.438	0.4	1.54	614	0	IV6	1	FLRETGVGVFKDR	13	NP_149770.1	307L	0.9956
42	2009-03-18-17 4041 4041 2 out	1205.7	0.038	0.3	1.52	174	0	IV6	1	VDVSTQTKTVK	11	NP_149655.1	192R	0.9843
39	2009-03-18-17 4639 4639 2 out	1176.7	0.371	0.37	1.51	167	0	Nosema	1	NIPQAPRGVVK	11	BAF76326.1	heat shock protein 70	0.973
62	2009-03-18-17 3834 3834 2 out	1476.8	0.881	0.4	1.51	82	1.609	IV6	1	IYNGYHERPIK	12	NP_149795.1	332L	0.9901
19	2009-03-18-17 3138 3138 2 out	930.5	0.365	0.39	1.5	315	0	IV6	1	EADLEK	8	NP_149624.1	161L	0.9933